

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD**

In re Trademark Application Serial No. 78-813,437

For the mark "TRANSPARENT LOGIC"

Published in the Official Gazette on October 3, 2006

Square D Company

Opposer,

v.

x365 Technologies, Inc.

Applicant

| | |
|---|--|
| Certificate of Mailing under 37 CFR § 2.197 | |
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First-class mail in an envelope addressed to: | |
| United States Patent and Trademark Office Trademark Trial and Appeal Board P.O. Box 1451 Alexandria, VA 22313-1451 | |
| on | <u>12/4/06</u> Date |
| | <u>Douglas A. Boehm</u> Signature Douglas A. Boehm |

Opposition No. _____

TTAB

NOTICE OF OPPOSITION

Square D Company, a Delaware corporation, having a principal place of business at 1415 South Roselle Road, Palatine, Illinois 60067 ("Opposer"), believes it will be damaged by registration of the mark "TRANSPARENT LOGIC" shown in Trademark Application Serial No. 78-813,437 in International Class 9, filed by x365 Technologies, Inc., a Virginia corporation, having a principal place of business at 532 Waterwheel Road, Chesapeake, Virginia 23322 ("Applicant"), and Opposer hereby opposes registration of Applicant's proposed mark.

Applicant's proposed mark was published for opposition on October 3, 2006. Opposer filed a first request for extension of time to file a Notice of Opposition on November 1, 2006, which request was granted on the same day, extending the time to oppose until Saturday, December 2, 2006. Opposer filed this Notice of Opposition on Monday, December 4, 2006,

using the Certificate of Mailing procedure under 37 C.F.R. § 2.197. Hence, Opposer submits that this Notice of Opposition was timely filed.

The grounds for opposition are as follows:

1. Opposer is engaged in the manufacture, distribution, advertising, and sale of a wide variety of electrical distribution products and industrial automation and control products and services, including data processing software and telecommunications services.

2. Opposer's parent company, Schneider Electric Industries SAS, a French simplified joint stock company, is the owner (by virtue of a recorded change of name assignment from Schneider Electric Industries SA) of U.S. Trademark Registration Number 2,954,077, registered May 24, 2005, for the mark TRANSPARENT READY for the following goods and services:

(a) "Data processing apparatus, namely, object linking embedding process control and operating software and software comprising general purposes spreadsheets for collecting data on either an intranet or Internet connected personal computer to a programmable logic controller" in International Class 9, U.S. Classes 21, 23, 26, 36, and 38.

(b) "Electrical repairs and installation services of power and control equipment, namely circuit breakers, motor drives, heating apparatus, solenoids, electrical switches, switchboards, electrical proximity and inductive sensors for programmable logic controller systems, I/O modules, and integrated circuit cards" in International Class 37, U.S. Classes 100, 103, and 106.

(c) "Telecommunications services provided on computer networks, namely, providing telecommunications connections to a local area network or a global computer

network for monitoring and control services for industrial machines and processes; electronic transmission of messages and data; providing on-line chat rooms for transmission of messages among computer users concerning the operation, monitoring and control of automation industrial control systems and concerning engineering and related technical subjects; radio broadcasting services; electronic mail services; providing multiple user dial-up and dedicated access to the Internet and on-line help sites” in International Class 38, U.S. Classes 100, 101, and 104.

(d) “Building monitoring services; computer aided electronic Internet services, namely, providing temporary use of non-downloadable software from world wide web sites that transmits programmable logic control software via the Internet” in International Class 42, U.S. Classes 100 and 101.

A copy of the registration certificate for Opposer’s TRANSPARENT READY mark is attached hereto as Exhibit A. This registration is valid and enforceable under 15 U.S.C. §1115.

3. Opposer, through and by permission of its parent company, adopted and used its mark at least as early as those dates indicated in the registration, namely, May 2001. A sample of one of Opposer’s recent “Transparent Ready Power Distribution Equipment” advertising brochures is attached hereto as Exhibit B. This brochure, as well as others showing the use of Opposer’s registered mark, can be found via the Internet at Opposer’s “www.transparent-ready.com” web site. As a result of the extensive use, promotion, and advertising of Opposer’s TRANSPARENT READY mark throughout the world for its web-enabled power and control products and services, this trademark has acquired significant goodwill, gained wide public recognition, and become a substantial business asset of Opposer.

4. Applicant seeks registration on the Principal Register of the mark TRANSPARENT LOGIC for "Computer software for use in automated processing of business decisions, rules and workflow that may be downloaded from a global computer network" in International Class 009, U.S. Classes 21, 23, 26, 36, and 38. Applicant filed its Section 1(a) application for this mark on February 13, 2006, claiming a date of First Use and a date of First Use in Commerce of August 1, 2005.

5. There is no issue as to priority. Opposer's TRANSPARENT READY trademark registration date of May 24, 2005, is prior to Applicant's February 13, 2006, Filing Date and August 1, 2005, dates of First Use.

6. The proposed TRANSPARENT LOGIC mark for which Applicant seeks registration is confusingly similar to Opposer's registered TRANSPARENT READY mark, and the goods for which Applicant's proposed mark is intended to be used on are closely related to Opposer's goods recited in its registration.

7. A comparison of the marks shows that Applicant's proposed TRANSPARENT LOGIC mark so closely resembles Opposer's registered TRANSPARENT READY mark as to be likely, when used on or in connection with the goods or services of Applicant, to cause confusion. Both marks incorporate the same first word "Transparent" and only differ with regard to the second word. Both marks are similar in their entirety in appearance, connotation, and commercial impression. Upon information and belief, Opposer asserts that the marks will be used in the same channels of trade on goods marketed to the same types of purchasers. Hence, the marks are confusingly similar.

8. As to the similarity of goods, Opposer's registered TRANSPARENT READY mark is used on "process control and operating software" and "software ... for collecting data on

either an intranet or Internet connected personal computer ..." in International Class 9, as recited in Opposer's description of goods. Applicant's proposed TRANSPARENT LOGIC mark is intended to be used on "computer software for use in automated processing of business decisions, rules and workflow that may be downloaded from a global computer network" as recited in Applicant's description of goods in International Class 9. Both goods descriptions describe business-related computer software for automating workflow using the Internet and, as such, are confusingly similar.

9. Opposer's description of services set forth in International Class 38 recites "Telecommunications services provided on computer networks, namely, providing telecommunications connections to a local area network or a global computer network for monitoring and control services for industrial machines and processes; electronic transmission of messages and data; providing on-line chat rooms for transmission of messages among computer users concerning the operation, monitoring and control of automation industrial control systems and concerning engineering and related technical subjects; ... providing multiple user dial-up and dedicated access to the Internet and on-line help sites". These services include, or are at least very closely related to, Applicant's use of "computer software for use in automated processing of business decisions ... that may be downloaded from a global computer network". Hence, the goods are either the same or so closely related that confusion in the marketplace is bound to occur.

10. In view of the similarity of the marks and goods of the respective parties, it is believed that Applicant's proposed TRANSPARENT LOGIC mark so resembles Opposer's registered TRANSPARENT READY mark as to be likely to cause confusion, cause mistake, or to deceive.

11. Opposer is also the owner of a family of registered U.S. Trademarks containing the word "LOGIC", three of which are listed here:

(a) U.S. Trademark Registration Number 1,626,754, registered December 11, 1990, for the mark POWERLOGIC for the following goods and services: "Electronic monitoring and control system for electrical power distribution system, namely monitors, display terminals, meters, personal computers, switchgear, circuit breakers, load centers, modems and computer programs for the operation and simulation of electronic monitoring and control systems" in International Class 9, U.S. Classes 21, 26, and 38. A copy of this registration certificate is attached hereto as Exhibit C.

(b) U.S. Trademark Registration Number 2,342,710, registered April 18, 2000, for the mark MICROLOGIC for the following goods and services: "Electrical equipment namely circuit breakers" in International Class 9, U.S. Classes 21, 23, 26, 36, and 38. A copy of this registration certificate is attached hereto as Exhibit D.

(c) U.S. Trademark Registration Number 2,682,452, registered February 4, 2003, for the mark MOTOR LOGIC for the following goods and services: "Electrical overload relays" in International Class 9, U.S. Classes 21, 23, 26, 36, and 38. A copy of this registration certificate is attached hereto as Exhibit E.

12. There is no issue as to priority regarding these three "LOGIC" marks. The registration dates of 1990, 2000, and 2003 are all prior to Applicant's February 13, 2006, Filing Date, as well as prior to its August 1, 2005, dates of First Use.

13. Opposer adopted and used these three "LOGIC" marks at least as early as those dates indicated in the respective registrations. Furthermore, Opposer adopted and used these three "LOGIC" marks in conjunction with its TRANSPARENT READY mark at least as early as

2002. Three samples of such commercial use of one or more of Opposer's "LOGIC" marks with Opposer's TRANSPARENT READY mark in the same product advertising brochures are attached hereto as Exhibits. Specifically, Exhibit F shows the use of TRANSPARENT READY with POWERLOGIC and MICROLOGIC; Exhibit G shows the use of TRANSPARENT READY with POWERLOGIC and MICROLOGIC and MOTOR LOGIC; Exhibit H shows the use of TRANSPARENT READY with POWERLOGIC. These brochures, as well as others using Opposer's TRANSPARENT READY mark with one or more of its "LOGIC" marks, can be found via the Internet at Opposer's "www.transparent-ready.com" web site and other web sites.

14. Opposer markets its TRANSPARENT READY web-enabled power and control products with its POWERLOGIC power distribution products in the same marketing materials to the same purchasers. In fact, Opposer's TRANSPARENT READY mark is even used in the same sentence as its POWERLOGIC mark, as shown in both Exhibit B ("Transparent Ready[®] equipment incorporates PowerLogic[®] power monitoring technology ...", page 7) and Exhibit H ("Using standard POWERLOGIC[®] Web technologies, TRANSPARENT READY equipment provides ...", page 1).

15. Opposer, by its sales and advertising of its goods sold under its TRANSPARENT READY mark used with its POWERLOGIC and MICROLOGIC and MOTOR LOGIC marks, has developed exceedingly valuable goodwill throughout the United States with respect to said TRANSPARENT READY and "LOGIC" marks.

16. Use of Applicant's proposed TRANSPARENT LOGIC mark with business-related computer software would be taken by purchasers of such software as an indication of origin in Opposer, particularly since the first part "TRANSPARENT" is the same as the first part

of Opposer's registered TRANSPARENT READY mark, and the second part "LOGIC" is the same as the second part of several of Opposer's family of registered "LOGIC" marks, such as POWERLOGIC, MICROLOGIC, and MOTOR LOGIC. The net effect of a registered trademark having the first part "TRANSPARENT" and the second part "LOGIC" for use with business-related computer software would cause confusion in the marketplace, resulting in damage and injury to Opposer. Any such confusion inevitably would result in loss of sales to the Opposer.

17. As a result of the extensive use, promotion, and advertising of Opposer's TRANSPARENT READY mark throughout the world for its web-enabled power and control products, in conjunction with its POWERLOGIC and/or MICROLOGIC and/or MOTOR LOGIC trademarks for such power and control products, the registration of TRANSPARENT LOGIC by Applicant is likely to cause confusion or mistake in the minds of consumers and to lead prospective purchasers to believe Applicant's products as designated are products of Opposer, or in some way backed by, sponsored by, franchised by, approved, associated with, or otherwise connected with the good name and reputation of Opposer, to the damage and injury of Opposer and its goodwill in its registered marks.

18. The proposed mark TRANSPARENT LOGIC is not registerable because it constitutes merely a trade name to identify the corporation "Transparent Logic Technologies Inc." Applicant's specimen itself, filed in the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration, supports such determination. A copy of the specimen is attached hereto as Exhibit I. The specimen, which was described by Applicant as "Screen copy of Internet Web Site page showing use of 'Transparent Logic'", states in the browser title

bar “Transparent Logic: Company”, and refers only to Transparent Logic as a trade name to identify the company, e.g., “ Hi, I’m Carl Hewitt, Transparent Logic founder and CEO.”

19. The proposed mark TRANSPARENT LOGIC is not registerable because the specimen filed in the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration does not show TRANSPARENT LOGIC as a trademark used on or in connection with goods for which registration was being sought. The specimen, Exhibit I, does not show TRANSPARENT LOGIC as a trademark on or in connection with any goods. The specimen does, however, show several other of Applicant’s trademarks, such as “LogicBase” or “Composer”, in connection with Applicants goods, as shown in the lower left under the subtitle “Explore our Products”.

20. The proposed mark TRANSPARENT LOGIC is not registerable because the drawing of the mark is not a substantially exact representation of the mark as used on or in connection with the goods or services, as shown by the specimen, Exhibit I. The drawing shows the two words “Transparent Logic” (two words separated by a space character), while the specimen filed with the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration shows a distinctly different logo with the single word “transparentlogic” (one word without any space character).

21. The proposed mark TRANSPARENT LOGIC is not registerable because, upon information and belief, Opposer alleges that there was no bona fide use in commerce prior to the filing of the application for registration. The specimen filed with the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration shows the use of a logo with the single word “transparentlogic” (one word without any space character) on a web page, which

does not provide a proper use basis for registration of the two-word mark "Transparent Logic" (two words separated by a space character) on computer software.

22. The proposed mark TRANSPARENT LOGIC is not registerable because, upon information and belief, Opposer alleges that the Applicant "x365 Technologies Inc." is not the proper owner of the proposed mark TRANSPARENT LOGIC, as set forth and sworn to in Applicant's application as of Applicant's February 13, 2006, Filing Date. In support of this allegation, Opposer has attached hereto as Exhibit J a printout page from the Virginia State Corporation Commission database showing that Applicant's corporate name "x365 Technologies, Inc." was changed to "Transparent Logic Technologies, Inc." on August 23, 2005, prior to such application Filing Date.

WHEREFORE, Opposer files this Notice of Opposition and prays that registration of the mark TRANSPARENT LOGIC be denied, and that this Opposition be sustained in favor of Opposer.

Please charge Opposer's Deposit Account No. 19-3875 (TMOPP0139) in the amount of \$300 for the filing fee per class as presented herewith. Any additional fees required to be paid by Opposer may be charged to this Deposit Account.

Respectfully submitted,

Square D Company

Date: December 4, 2006

By: *Douglas A. Boehm*

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Attached: Exhibits A through J

Int. Cls.: 9, 37, 38 and 42

Prior U.S. Cls.: 21, 23, 26, 36, 38, 100, 101, 103, 104
and 106

United States Patent and Trademark Office

Reg. No. 2,954,077

Registered May 24, 2005

**TRADEMARK
SERVICE MARK
PRINCIPAL REGISTER**

TRANSPARENT READY

SCHNEIDER ELECTRIC INDUSTRIES SA
(FRANCE CORPORATION)
89, BOULEVARD FRANKLIN ROOSEVELT
RUEIL-MALMAISON, FRANCE 92500

FOR: DATA PROCESSING APPARATUS, NAME-
LY, OBJECT LINKING EMBEDDING PROCESS
CONTROL AND OPERATING SOFTWARE AND
SOFTWARE COMPRISING GENERAL PURPOSES
SPREADSHEETS FOR COLLECTING DATA ON
EITHER AN INTRANET OR INTERNET CONN-
ECTED PERSONAL COMPUTER TO A PROGRAMMA-
BLE LOGIC CONTROLLER, IN CLASS 9 (U.S. CLS.
21, 23, 26, 36 AND 38).

FOR: ELECTRICAL REPAIRS AND INSTALLA-
TION SERVICES OF POWER AND CONTROL
EQUIPMENT, NAMELY CIRCUIT BREAKERS, MO-
TOR DRIVES, HEATING APPARATUS, SOLE-
NOIDS, ELECTRICAL SWITCHES,
SWITCHBOARDS, ELECTRICAL PROXIMITY
AND INDUCTIVE SENSORS FOR PROGRAMMA-
BLE LOGIC CONTROLLER SYSTEMS, I/O MOD-
ULES, AND INTEGRATED CIRCUIT CARDS, IN
CLASS 37 (U.S. CLS. 100, 103 AND 106).

FOR: TELECOMMUNICATIONS SERVICES PRO-
VIDED ON COMPUTER NETWORKS, NAMELY,
PROVIDING TELECOMMUNICATIONS CONN-
ECTIONS TO A LOCAL AREA NETWORK OR A
GLOBAL COMPUTER NETWORK FOR MONITOR-
ING AND CONTROL SERVICES FOR INDUSTRIAL

MACHINES AND PROCESSES; ELECTRONIC
TRANSMISSION OF MESSAGES AND DATA; PRO-
VIDING ON-LINE CHAT ROOMS FOR TRANSMIS-
SION OF MESSAGES AMONG COMPUTER USERS
CONCERNING THE OPERATION, MONITORING
AND CONTROL OF AUTOMATION INDUSTRIAL
CONTROL SYSTEMS AND CONCERNING ENGI-
NEERING AND RELATED TECHNICAL SUBJECTS;
RADIO BROADCASTING SERVICES; ELECTRONIC
MAIL SERVICES; PROVIDING MULTIPLE USER
DIAL-UP AND DEDICATED ACCESS TO THE IN-
TERNET AND ON-LINE HELP SITES, IN CLASS 38
(U.S. CLS. 100, 101 AND 104).

FOR: BUILDING MONITORING SERVICES;
COMPUTER AIDED ELECTRONIC INTERNET
SERVICES, NAMELY, PROVIDING TEMPORARY
USE OF NON-DOWNLOADABLE SOFTWARE
FROM WORLD WIDE WEB SITES THAT TRANS-
MITS PROGRAMMABLE LOGIC CONTROL SOFT-
WARE VIA THE INTERNET, IN CLASS 42 (U.S. CLS.
100 AND 101).

PRIORITY CLAIMED UNDER SEC. 44(D) ON
FRANCE APPLICATION NO. 013099528, FILED 5-
10-2001, REG. NO. 013099528, DATED 5-10-2001, EX-
PIRES 5-10-2011.

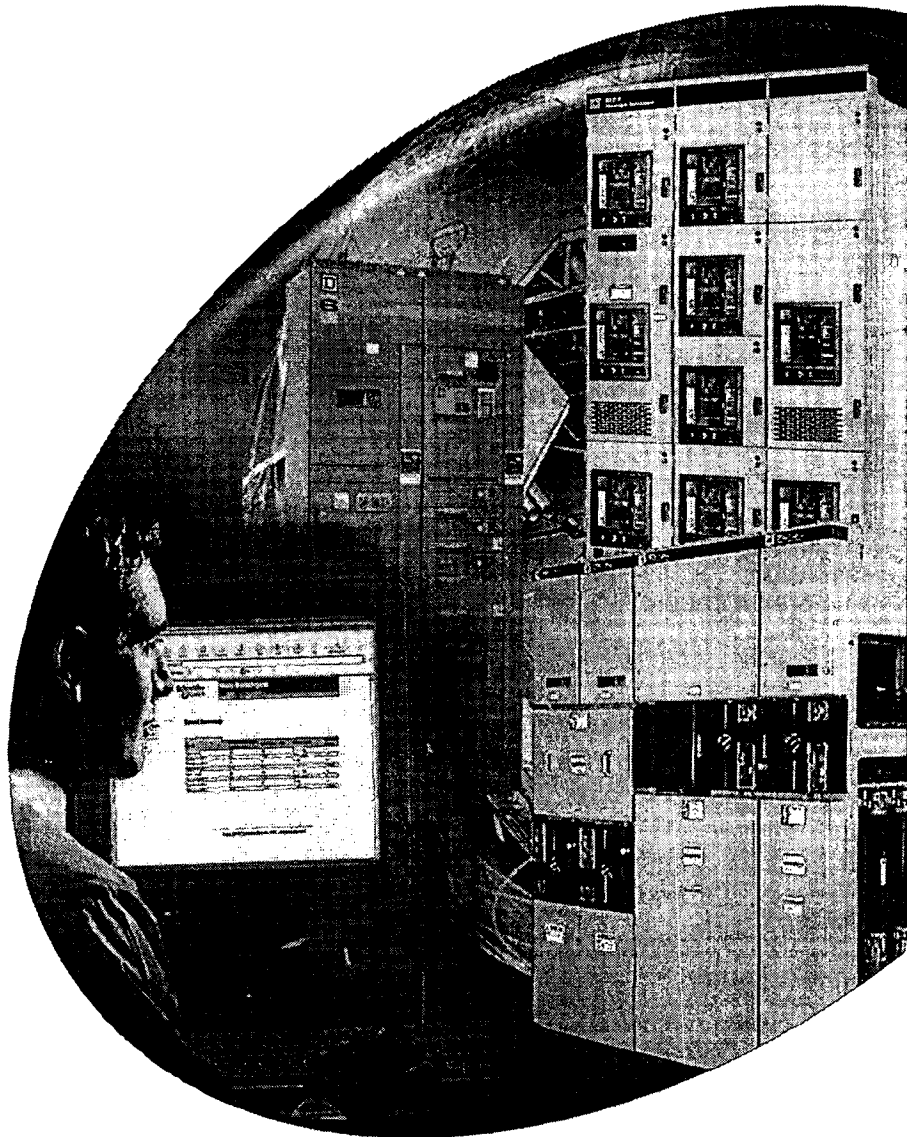
SER. NO. 76-332,734, FILED 11-2-2001.

ELIZABETH J. WINTER, EXAMINING ATTORNEY

Exhibit A

*Transparent Ready® Power
Distribution Equipment*
Simple, affordable access
to power system information.

**Transparent
Ready®**
Web-enabled Power & Control



Transparent Ready® Means Energy Efficiency

Transparent Ready® power distribution equipment features an Ethernet interface, and an embedded Web server to provide you with the information you need to manage the cost and quality of power.

“Why did that breaker trip? Where can I add this new load? Who’s wasting energy?”

Reduce Energy Costs

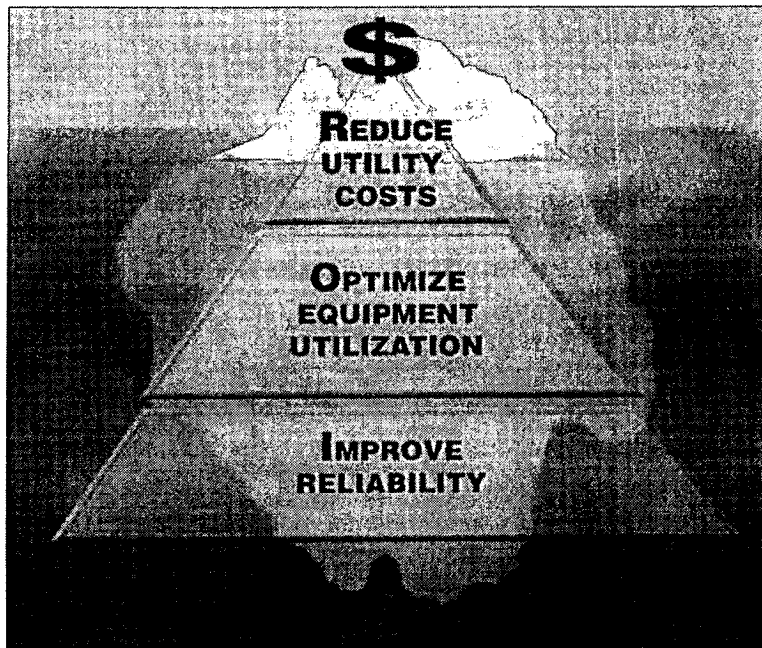
- Save 2-4% or more on power bills by knowing where energy is being used.
- Track the number of kilowatt hours used each month, by function or department.
- Identify where and when new peak demands occur, driving up utility bills.

Optimize Equipment Utilization

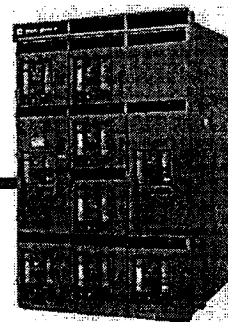
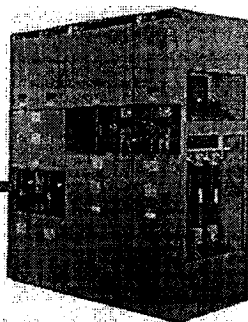
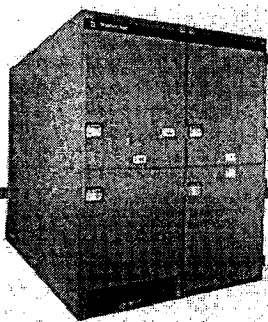
- Save 2-5% on operating costs and capital expenses by eliminating unnecessary purchases.
- Know where spare capacity exists before you add that new machine.
- Identify wasteful load unbalances or excessive loading on transformers that may be silently reducing longevity.
- By optimizing your electrical system, you will extend the life of your equipment and maximize your investment.

Improve Reliability

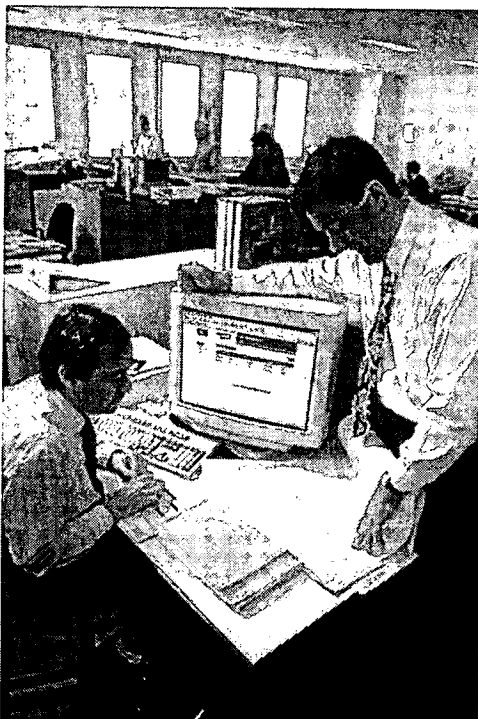
- Save thousands of dollars by avoiding downtime through advanced warning of abnormal conditions.
- With detailed metering data on all circuits, you will be able to spot potential hazards before they cause a costly shutdown.
- Quickly diagnose problems when interruptions do occur.



A complete range of power distribution equipment . . .



Transparent Ready® Means Affordability



Simple, affordable power monitoring

Transparent Ready® equipment is pre-engineered to include the most popular current, power and energy web pages, and is completely configured and tested at the factory. You know exactly what you're getting before you place the order.

"I need equipment that connects right into my existing network, without any system integration costs."

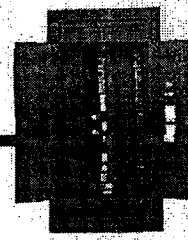
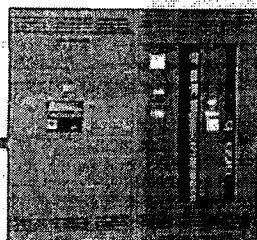


Leverage your existing IT infrastructure

With Transparent Ready equipment there is no need to run new proprietary networks around your facility. Just connect the equipment's built-in Ethernet interface to a nearby hub or switch on your existing Ethernet Local Area Network (LAN).

The only commissioning required is to set the equipment's network address. Now you're ready to access power system information from any PC on your network, using a standard Web browser.

... one convenient way to access information. Transparent Ready® equipment.



Transparent Ready® Means Easy Access to Power System Information

Standard Web pages

Transparent Ready® equipment comes with predefined Web pages so you can access power system data right away. The equipment hosts its own Web site giving you the data you need on main, tie and feeder circuits using a standard Web browser – just point and click.

Detailed Readings Per Device

Displays detailed, device-specific information for each monitored device in the lineup. Each "Basic Readings" page provides real-time and historical data according to the device type.

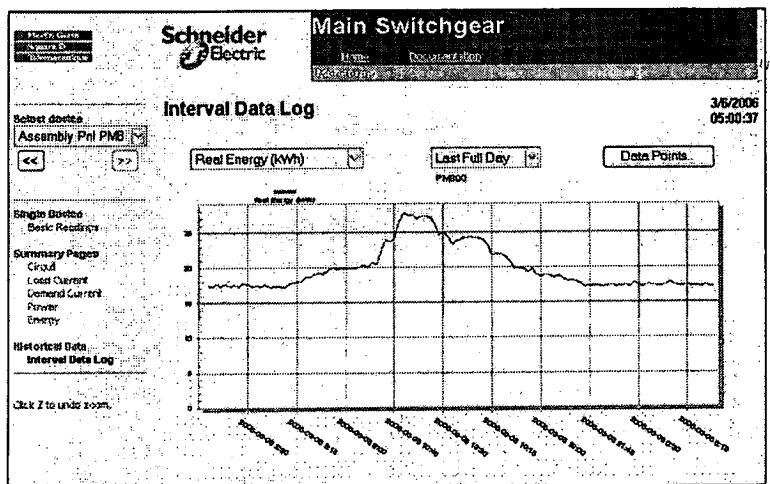
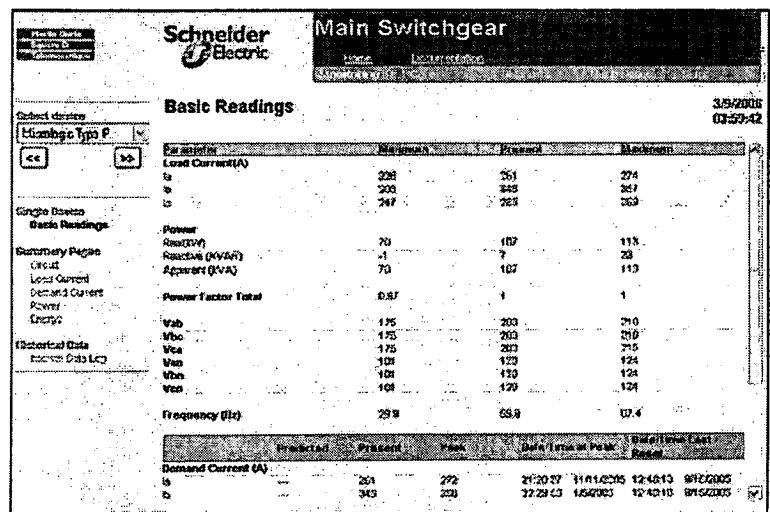
- Analyze power quality, or diagnose power-related problems.
- Check breaker trip history, additional metering values, or device settings.

Historical Trending Per Device

The embedded Web server records metering data at user-defined intervals, and "Interval Data Log" pages provide a graphic trend plot for the specified period – day, week, or month.

- Understand energy usage throughout the month, by product or department.
- Spot abnormal trends or unusual consumption patterns quickly.
- Data is maintained in non-volatile memory to safeguard your investment.
- Archive data to your PC easily for long-term storage and further analysis and reporting.

Easy



Existing
Ethernet
LAN

Transparent Ready® Means Simplicity

Schneider Electric Main Switchgear

Home Documentation

Monitoring: Circuit, Load Current, Demand Current, Power, Energy

Circuit Summary

3-7-2006 13:56:59

| Circuit | RMS Current (Amps) | Real Power (kW) | Power Factor | Breaker Status |
|------------|--------------------|-----------------|--------------|----------------|
| Main Meter | 311 | 235 | 0.885 lag | closed |
| Feeder 1 | 198 | 149 | 0.891 lag | closed |
| Feeder 2 | 0 | 0 | 1 | open |
| Feeder 3 | 115 | 87 | 0.872 lag | closed |

Circuit Summary

Displays the RMS current, real power (kW), power factor, and breaker status for all monitored circuits in the equipment lineup. With unit substations, you even get a 'snapshot' of the transformer coil temperatures and the fan status.

- Quickly check the status of all circuits.
- Compare circuit loading at a glance.

Schneider Electric Main Switchgear

Home Documentation

Monitoring: Circuit, Load Current, Demand Current, Power, Energy

Load Current Summary

3-7-2006 13:56:59

| Circuit | Phase A | Phase B | Phase C |
|----------|---------|---------|---------|
| Main | 311 | 315 | 318 |
| Feeder 1 | 198 | 199 | 200 |
| Feeder 2 | 0 | 0 | 0 |
| Feeder 3 | 115 | 117 | 118 |

Load Current Summary

Displays the RMS current values, per phase, for all monitored circuits in the lineup.

- Verify circuit loading, based on real-time data.
- Spot circuits with unbalanced single-phase loads.

Schneider Electric Main Switchgear

Home Documentation

Monitoring: Circuit, Load Current, Demand Current, Power, Energy

Demand Current Summary

3-7-2006 13:56:59

| Circuit | Phase A | Phase B | Phase C |
|----------|---------|---------|---------|
| Main | 302 | 302 | 302 |
| Feeder 1 | 190 | 190 | 190 |
| Feeder 2 | 0 | 0 | 0 |
| Feeder 3 | 112 | 112 | 112 |

Demand Current Summary

Displays the demand current values (averaged over time), per phase, for all monitored circuits in the lineup.

- Know where spare capacity exists.
- Identify potential overloads before they occur.

Schneider Electric Main Switchgear

Home Documentation

Monitoring: Circuit, Load Current, Demand Current, Power, Energy

Power Summary

3-7-2006 13:56:59

| Circuit | Present Demand (kW) | Peak Demand (kW) | Recorded Time & Date |
|----------|---------------------|------------------|----------------------|
| Main | 223 | 425 | 07:29:17 07/24/2003 |
| Feeder 1 | 141 | 338 | 07:28:17 07/24/2003 |
| Feeder 2 | 0 | 0 | --- |
| Feeder 3 | 82 | 112 | 08:11:53 07/22/2003 |

Power Summary

Displays the demand power values and the associated time/date for all monitored circuits in the lineup.

- Identify where and when new demand peaks occur each month.
- Discover where to make minor changes that result in big savings on your electric utility bill.

Schneider Electric Main Switchgear

Home Documentation

Monitoring: Circuit, Load Current, Demand Current, Power, Energy

Energy Summary

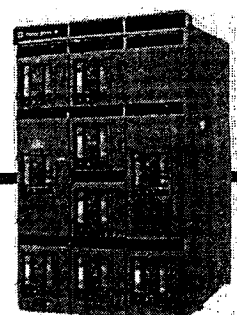
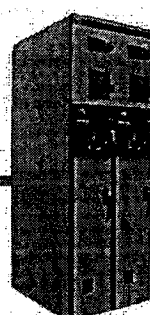
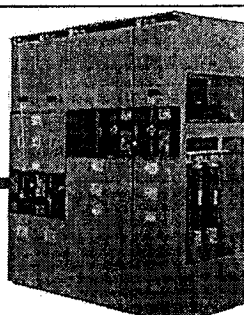
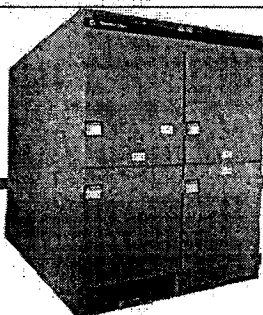
3-7-2006 13:56:59

| Circuit | Energy (kWh) | Reactive Energy (kVArh) | Last Reset |
|----------|--------------|-------------------------|---------------------|
| Main | 1530015 | 734415 | 11:58:59 09/30/2002 |
| Feeder 1 | 963805 | 482677 | 11:58:59 09/30/2002 |
| Feeder 2 | 113224 | 54348 | 11:58:59 09/30/2002 |
| Feeder 3 | 452888 | 217389 | 11:58:59 09/30/2002 |

Energy Summary

Displays the energy values for all monitored circuits in the lineup.

- Allocate energy costs by product or department, based on actual usage.
- Compare energy consumption across circuits.
- Encourage conservation through greater awareness of energy usage and potential savings.

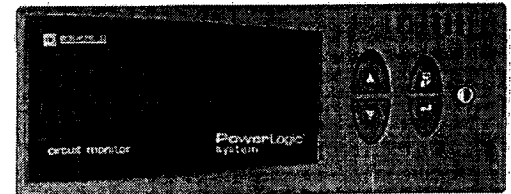
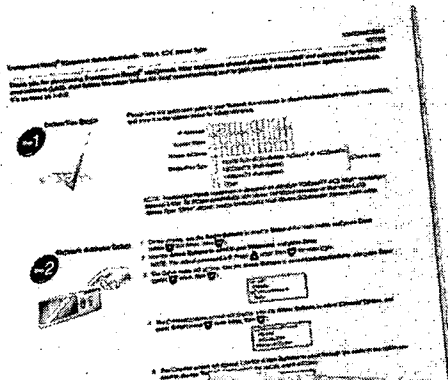
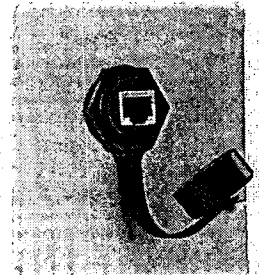


Transparent Ready® Means Easy to Commission

1.2.3

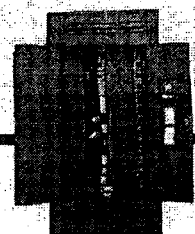
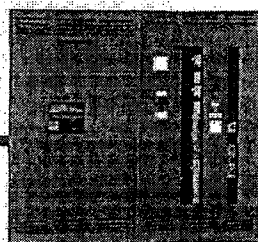
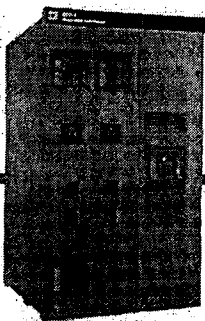
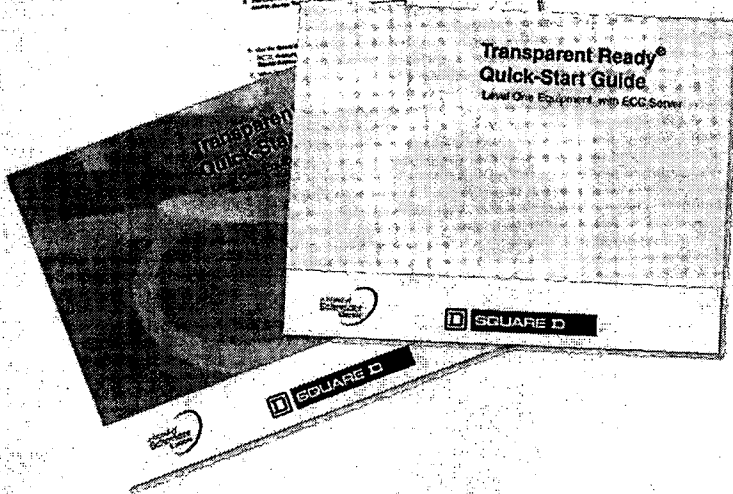
Commissioning is as easy as 1-2-3

Once your equipment's Ethernet interface is connected to your Ethernet network, you need only enter the equipment's network address. There is no need to shut down the equipment or open access panels. Just set the network address through the convenient display, or the front-accessible Ethernet port (depending on the model purchased).



A Quick-Start Guide is included with every Transparent Ready equipment lineup to make commissioning worry-free. Just follow the simple, three-step process and your equipment will be online in minutes:

1. Obtain a network address (IP address) from your network administrator.
2. Enter this information into the equipment via the local display or front Ethernet port.
3. Open your Web browser from any PC on your network and log on to your Transparent Ready® equipment home page.



Transparent Ready® Means Connectivity

PowerLogic®

Available everywhere on your network

Transparent Ready® equipment incorporates PowerLogic® power monitoring technology to form a stand-alone Web site, or become a building block in a complete PowerLogic power monitoring and control system.

You'll have easy access to power system information when you need it, and software tools to help you analyze conditions and take appropriate action. Also, thanks to the open connectivity of Ethernet, you can even share critical data with building automation or process control systems.

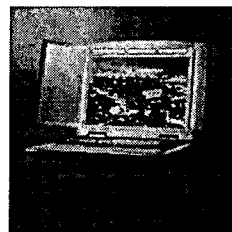
It doesn't stop within the walls of the facility. If you're an authorized user who travels and you have access to your company intranet, you can log in just as easily as you can check your e-mail. And, if you have multiple facilities connected to one intranet, any authorized user can check any equipment, at any location.

Transparent Ready equipment serves you the information you want, whenever you want it, wherever you want it.

Leverage your existing network
You've already invested in a local area network (LAN) and other IT infrastructure to help manage your operation.

Because Transparent Ready equipment connects to your existing system, there are no additional costs. Just connect Transparent Ready equipment to your existing LAN and use the Web browsers that you already own.

It's that simple.



Corporate Engineering

Intranet
or
the Web

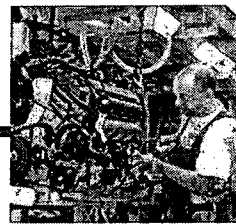
Remote
Access



Design



Production



Operations



Maintenance

Transparent Ready® Equipment Selection Guide

| | TRE-1 | TRE-2 | TRE-2 Plus SMS* | Custom |
|---|-------|-------|--------------------|--------|
| Ethernet network connection, 100Mbps | ■ | ■ | ■ | |
| Integral Web server | ■ | ■ | ■ | |
| Summary power monitoring Web pages, all circuits | ■ | ■ | ■ | |
| Alternate Circuit Summary page for MCCs or unit substations | ■ | ■ | ■ | |
| Quick-Start Guide to ensure trouble-free commissioning | ■ | ■ | ■ | |
| Front-accessible Ethernet port, for local access | | ■ | ■ | |
| Basic readings, all devices, for each device type | | ■ | ■ | |
| Basic historical data logging, graphical trend plot | | ■ | ■ | |
| Email data logs automatically for archived storage | | ■ | ■ | |
| Optional energy cost reports available | | ■ | ■ | |
| Setup, individual devices | | | ■ | |
| Meters, summary tables, barcharts | | | ■ | |
| Harmonic analysis, voltage disturbances | | | ■ | |
| Interactive graphics: one-line and elevation view | | | ■ | |
| User-configurable alarms | | | ■ | |
| User-configurable data logging and trending | | | ■ | |
| User-configurable Web pages and reports | | | ■ | |
| Customized system view or site plan of all lineups | | | ■ | |

Custom-engineered solution based on
TRE-1 or TRE-2 platform
to meet special customer requirements

*PowerLogic System Manager Software (SMS) for comprehensive power monitoring and analysis

Transparent Ready Equipment Advantages

Using Web-enabled equipment is as easy as opening a Web page. Reduced energy costs, optimized equipment, and improved reliability are all just a click away.

- **Energy Efficiency** - Transparent Ready Equipment gives you the information you need to manage the cost and quality of power: reduce energy costs, optimize equipment utilization and improve system reliability.
- **Affordability** - Every lineup is pre-engineered and serves data from the intelligent breakers and relays you probably already specify.
- **Simplicity** - Each lineup includes its own Ethernet interface and Web server and connects to your network just like a PC or printer.
- **Easy to Commission** - Transparent Ready Equipment is completely configured and tested at the factory. Just set the network IP address using the included Quick-Start Guide.
- **Easy to Use** - Access power monitoring data using a standard Web browser from any computer on your network.
- **Economical** - Leverage your existing IT infrastructure and expertise, instead of adding new wires based on proprietary networks.
- **Connectivity** - Each Transparent Ready Equipment lineup serves as a stand-alone Web site or as a building block for other systems, such as a complete PowerLogic power monitoring and control system.

Schneider Electric - North American Operating Division

1010 Airpark Center Drive
Nashville, TN 37217
1-888-SquareD
(1-888-778-2733)

For more information about Transparent Ready equipment, visit
www.us.squared.com/TRE.

Transparent Ready is a registered U.S. trademark of Schneider Electric
for its web-enabled power and control products, software, and services.

Int. Cl.: 9

Prior U.S. Cls.: 21, 26 and 38

United States Patent and Trademark Office

Reg. No. 1,626,754

Registered Dec. 11, 1990

**TRADEMARK
PRINCIPAL REGISTER**

POWERLOGIC

SQUARE D COMPANY (DELAWARE CORPORATION)
EXECUTIVE PLAZA
PALATINE, IL 60067

FOR: ELECTRONIC MONITORING AND CONTROL SYSTEM FOR ELECTRICAL POWER DISTRIBUTION SYSTEM, NAMELY MONITORS, DISPLAY TERMINALS, METERS, PERSONAL COMPUTERS, SWITCHGEAR, CIRCUIT BREAKERS, LOADCENTERS, MODEMS AND COMPUTER PROGRAMS FOR

THE OPERATION AND SIMULATION OF ELECTRONIC MONITORING AND CONTROL SYSTEMS, IN CLASS 9 (U.S. CLS. 21, 26 AND 38).

FIRST USE 4-2-1989; IN COMMERCE 4-2-1989.

OWNER OF U.S. REG. NOS. 708,033 AND 783,553.

SER. NO. 73-815,520, FILED 7-28-1989.

KATHRYN DOBBS, EXAMINING ATTORNEY

Exhibit C

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

United States Patent and Trademark Office

Reg. No. 2,342,710

Registered Apr. 18, 2000

**TRADEMARK
PRINCIPAL REGISTER**

MICROLOGIC

**SQUARE D COMPANY (DELAWARE CORPORATION)
1415 S. ROSELLE ROAD
PALATINE, IL 60067**

**FIRST USE 4-0-1985; IN COMMERCE
4-0-1985.**

**FOR: ELECTRICAL EQUIPMENT NAMELY
CIRCUIT BREAKERS, IN CLASS 9 (U.S. CLS.
21, 23, 26, 36 AND 38).**

SER. NO. 75-572,579, FILED 10-16-1998.

MARK SPARACINO, EXAMINING ATTORNEY

Exhibit D

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

United States Patent and Trademark Office

Reg. No. 2,682,452

Registered Feb. 4, 2003

**TRADEMARK
PRINCIPAL REGISTER**

MOTOR LOGIC

SQUARE D COMPANY (DELAWARE CORPORATION)
1415 S. ROSELLE ROAD
PALATINE, IL 60067

NO CLAIM IS MADE TO THE EXCLUSIVE
RIGHT TO USE "LOGIC", APART FROM THE
MARK AS SHOWN.

FOR: ELECTRICAL OVERLOAD RELAYS, IN
CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

SER. NO. 76-196,269, FILED 1-19-2001.

FIRST USE 2-0-1995; IN COMMERCE 2-0-1995.

LESLEY LAMOTHE, EXAMINING ATTORNEY

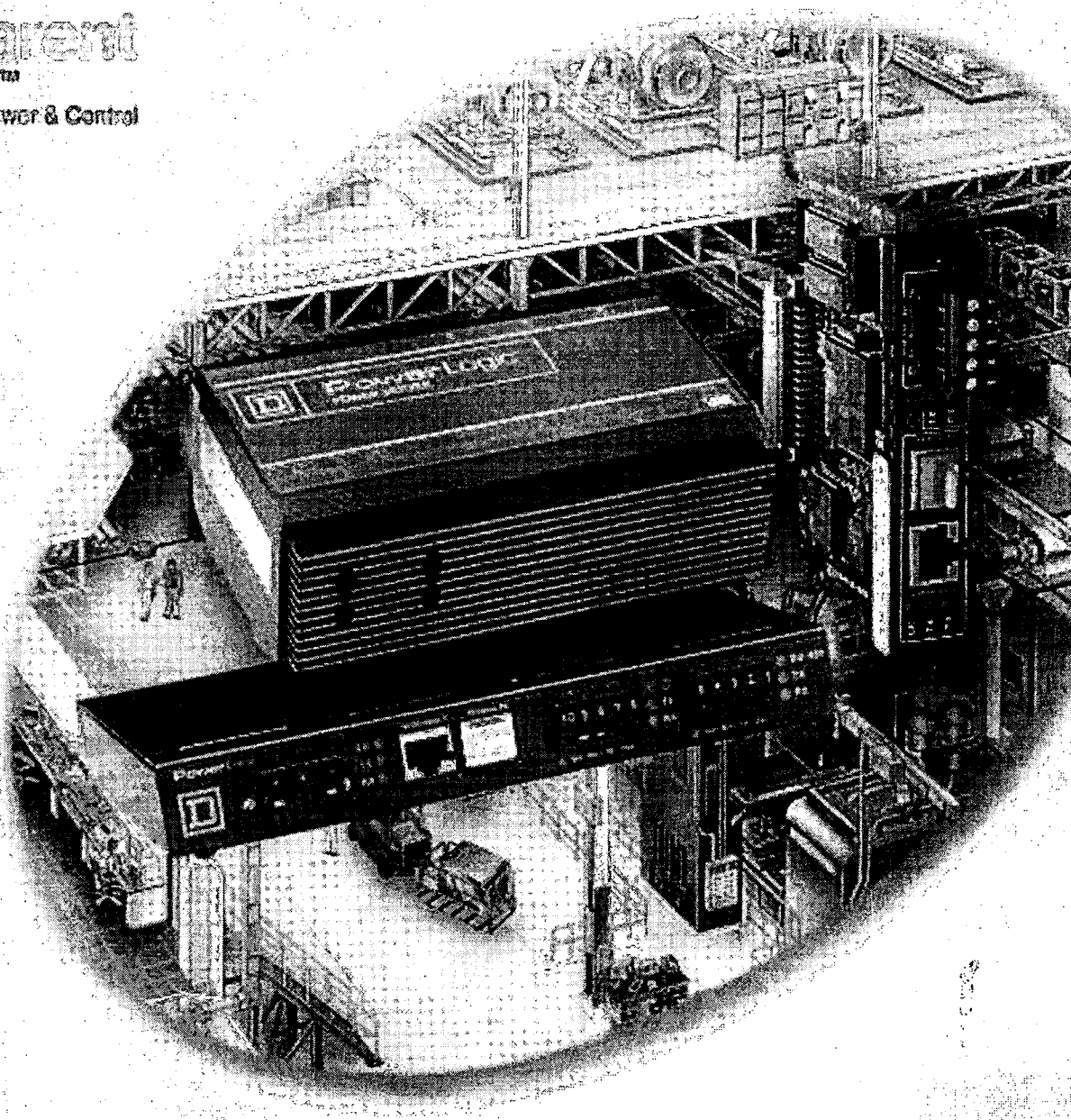
Exhibit E

PowerLogic® Web-Enabled Network Components

Access valuable power and utility
information from your system

Transparent
Ready™

Web-enabled Power & Control



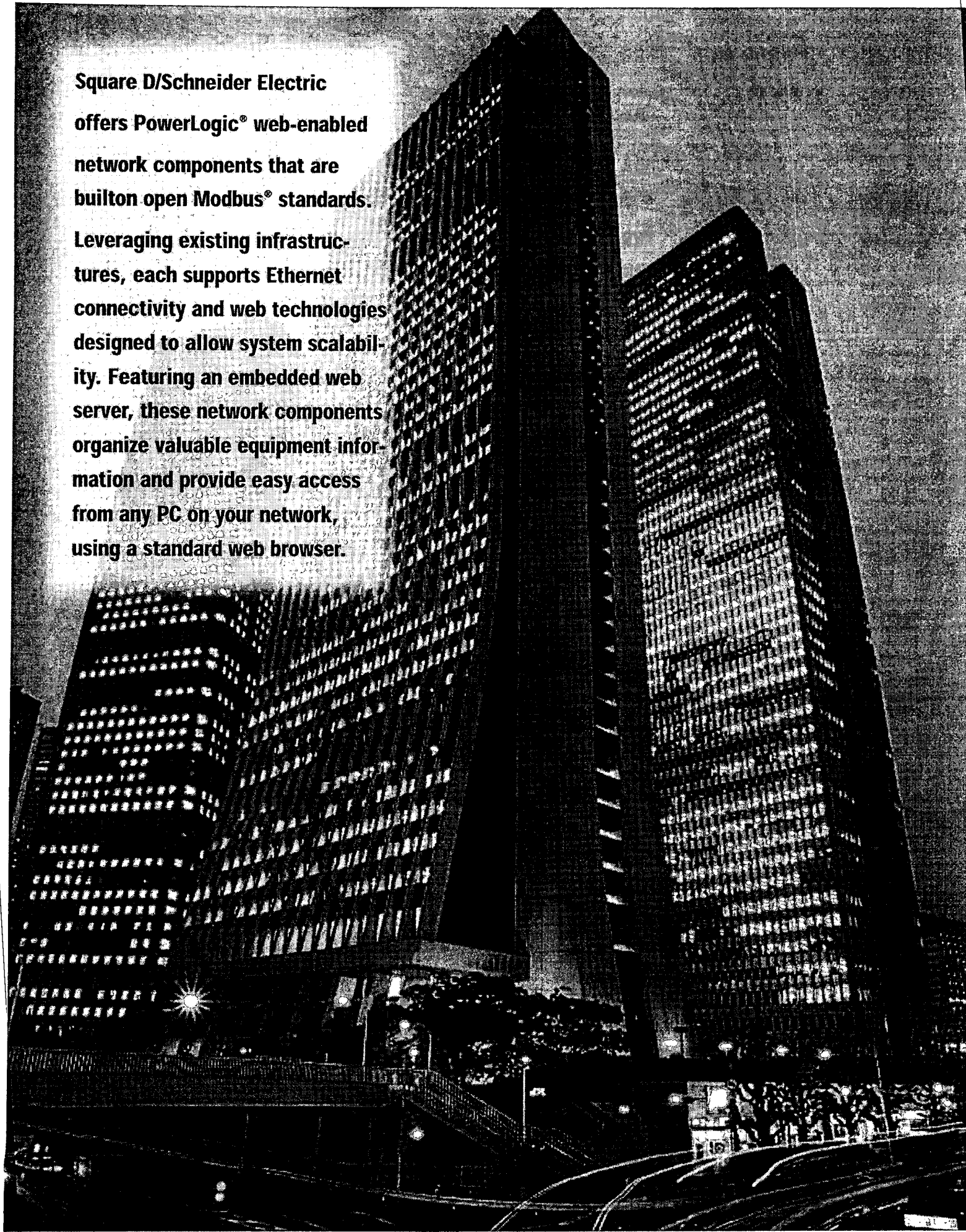
a brand of
**Schneider
Electric**



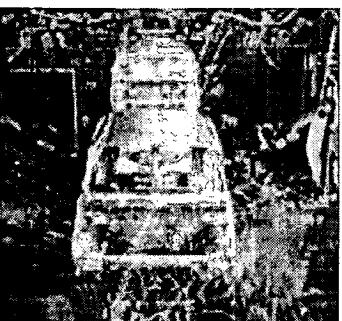
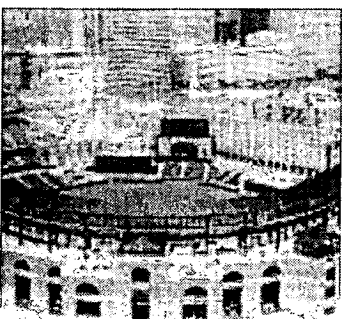
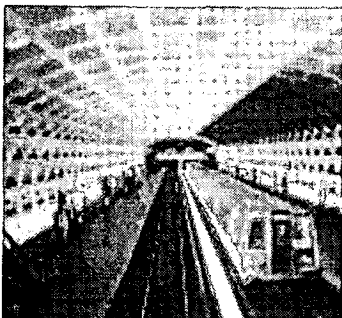
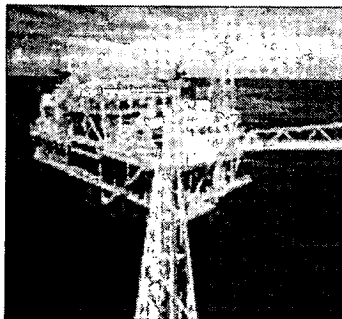
SQUARE D

Exhibit F

Square D/Schneider Electric
offers PowerLogic® web-enabled
network components that are
built on open Modbus® standards.
Leveraging existing infrastruc-
tures, each supports Ethernet
connectivity and web technologies
designed to allow system scalabil-
ity. Featuring an embedded web
server, these network components
organize valuable equipment infor-
mation and provide easy access
from any PC on your network,
using a standard web browser.



PowerLogic® NETWORK SOLUTIONS



- *Easy Installation into New Equipment or Retrofit*
- *Scalable Connectivity Supporting Modbus® Devices*
- *Web-Enabled Information to Authorized Users*
- *Monitoring Power Equipment and Piped Utilities*
- *Remote Alarm Notification of System Events*
- *Definitive Conclusions*
- *Savings with Quick Return on Investment*

Integrated Approach for Total Solution

PowerLogic® web-enabled network components support a myriad of intelligent communicating devices and provide connectivity to system software. This support includes the complete range of Square D/Schneider Electric Transparent Ready power equipment, PowerLogic® monitoring devices as well as compatible Modbus® communicating devices. That means, in addition to providing real time and historical information, the PowerLogic® network communications will support incorporation of control components into the PowerLogic® system. These are typically integrated to monitor piped utilities such as water, air, gas and steam, as well as, provide status and control for peak shaving, load shedding, automatic transfer schemes and other energy reduction and reliability solutions.

Web Technologies Facilitate Knowledge That Result in Savings

Designed to be an "Out-of-the-box" application, PowerLogic® network components give unprecedented web-enabled access. With this level of access, from any computer on your network, you and other authorized users will never be out of touch with your equipment and piped utilities. The system information is presented in a manner that allows you to draw definitive conclusions so you will have the tools to help you facilitate information sharing and reduce utility costs. Save time and money knowing where spare capacity exists and improve system reliability by proactively identifying potential problems before they cause downtime. In short, you will be empowered to achieve savings and make informed decisions.

Scalable System Approach Grows With Your Organization

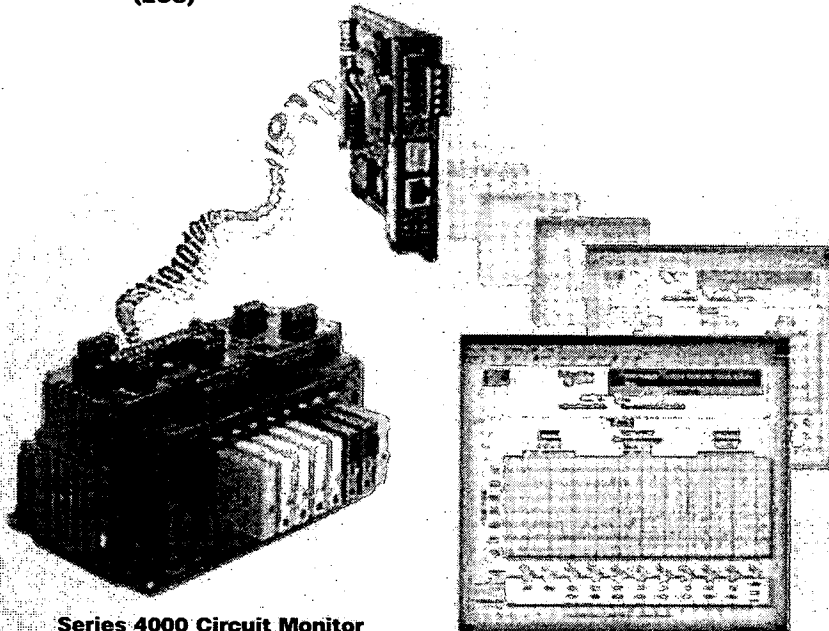
PowerLogic® web-enabled network components are flexible and let you take a building block approach. Start at any level, and when you're ready to grow, our system is designed to grow with you. Every level can stand alone, or be combined to provide a solution that is right for you. From simple metering to advanced corporate wide operations, PowerLogic® systems give you the information that you need, no matter where you are.

| LEVEL | DESCRIPTION |
|--------------|--|
| Basic | Real Time Monitoring For Power Equipment and Piped Utilities |
| Intermediate | Power Monitoring for Unattended Operations |
| Advanced | Electrical System Management and Analysis for Plant/ Corporate Wide Operations |

Square D also offers pre-defined Transparent Ready power equipment levels (TRE), based on the same PowerLogic® component platforms contained in this brochure. For more information about Square D Transparent Ready Equipment (TRE) see Document Number 1700BR0201.

BASIC

Ethernet Communication Card (ECC)



Series 4000 Circuit Monitor

Real Time Monitoring For Power Equipment and Piped Utilities

The PowerLogic® Basic Level is for businesses that require real-time metering, alarm notification, status, power quality, energy and demand information (including forecasting) on a circuit-by-circuit basis. To the people who need it most, the heart of the Basic Level is served by the PowerLogic® Web-Enabled Ethernet Gateways known as the Ethernet Communication Card (ECC) or the PowerLogic® Ethernet Gateway (ECG).

Ethernet Communication Card (ECC) provides connectivity

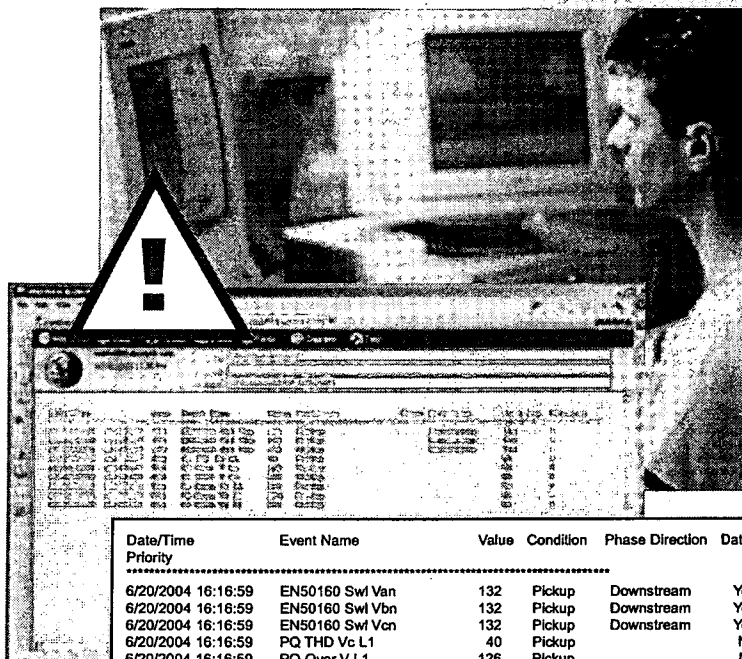
The Ethernet Communication Card expands the capability of the Series 3000 and 4000 Circuit Monitor as a total network solution for your power monitoring needs. Based on plug and play technology, the ECC, with Modbus®/TCP protocol support, plugs into an expansion slot on the circuit monitor providing direct connection to the Ethernet network using either Cat5 Ethernet shielded or unshielded twisted pair or fiber cabling. An RS-485 Modbus® master port on the ECC supports a daisy chain of up to 31 additional devices without a repeater, allowing the CM4000 or CM3000 with ECC to act as an Ethernet gateway for downstream devices.

Real time web viewing

In addition to providing direct, high speed Ethernet connectivity, the ECC includes embedded HTML pages. This web access allows real-time power system information from the circuit monitors through a standard web browser. The Web Page Generator (WPG) software shipped with the ECC, allows you to transfer standard pages, including summary views, for devices daisy-chained to the ECC's onboard RS-485 port. Custom pages are also supported for a total of 10 web pages that can be viewed over the network. You can even view this information from home or a remote location through your company's virtual private network connection.

Email on alarm

Series 3000 or 4000 Circuit Monitors equipped with an Ethernet Communication Card (ECC) can send emails on alarm occurrence for up to 15 different users, each with their own daily/weekly schedule. When conditions are outside normal parameters, a circuit monitor sends an email on alarm notification containing pass/fail power quality, disturbance direction, and other circuit information in the language selected to be used for the circuit monitor's remote display. It bundles up to 34 events in a single email. Emails are then received at a PC, PDA, mobile phone, etc., just like any other email. Using email is an effective means for notification of geographically dispersed personnel. Email also avoids firewall restrictions imposed by other data transfer methods.



| Date/Time Priority | Event Name | Value | Condition | Phase Direction | Data Log | |
|-----------------------|-----------------|-------|-----------|-----------------|----------|---|
| 6/20/2004 16:16:59 | EN50160 Swl Vbn | 132 | Pickup | Downstream | Yes | 3 |
| 6/20/2004 16:16:59 | EN50160 Swl Vbn | 132 | Pickup | Downstream | Yes | 3 |
| 6/20/2004 16:16:59 | EN50160 Swl Vbn | 132 | Pickup | Downstream | Yes | 3 |
| 6/20/2004 16:16:59 | PQ THD Vc L1 | 40 | Pickup | | No | 3 |
| 6/20/2004 16:16:59 | PQ Over V L1 | 126 | Pickup | | No | 3 |
| 6/20/2004 16:16:59 | PQ Over V L2 | 132 | Pickup | | No | 3 |
| 6/20/2004 16:16:59 | PQ Harm Vc L1 | 266 | Pickup | | No | 3 |
| 6/20/2004 16:16:59 | PQ Harm Vb L1 | 264 | Pickup | | No | 3 |
| 6/20/2004 16:16:59 | PQ Harm Va L1 | 265 | Pickup | | No | 3 |

Ethernet Gateway (EGX) simplifies retrofit

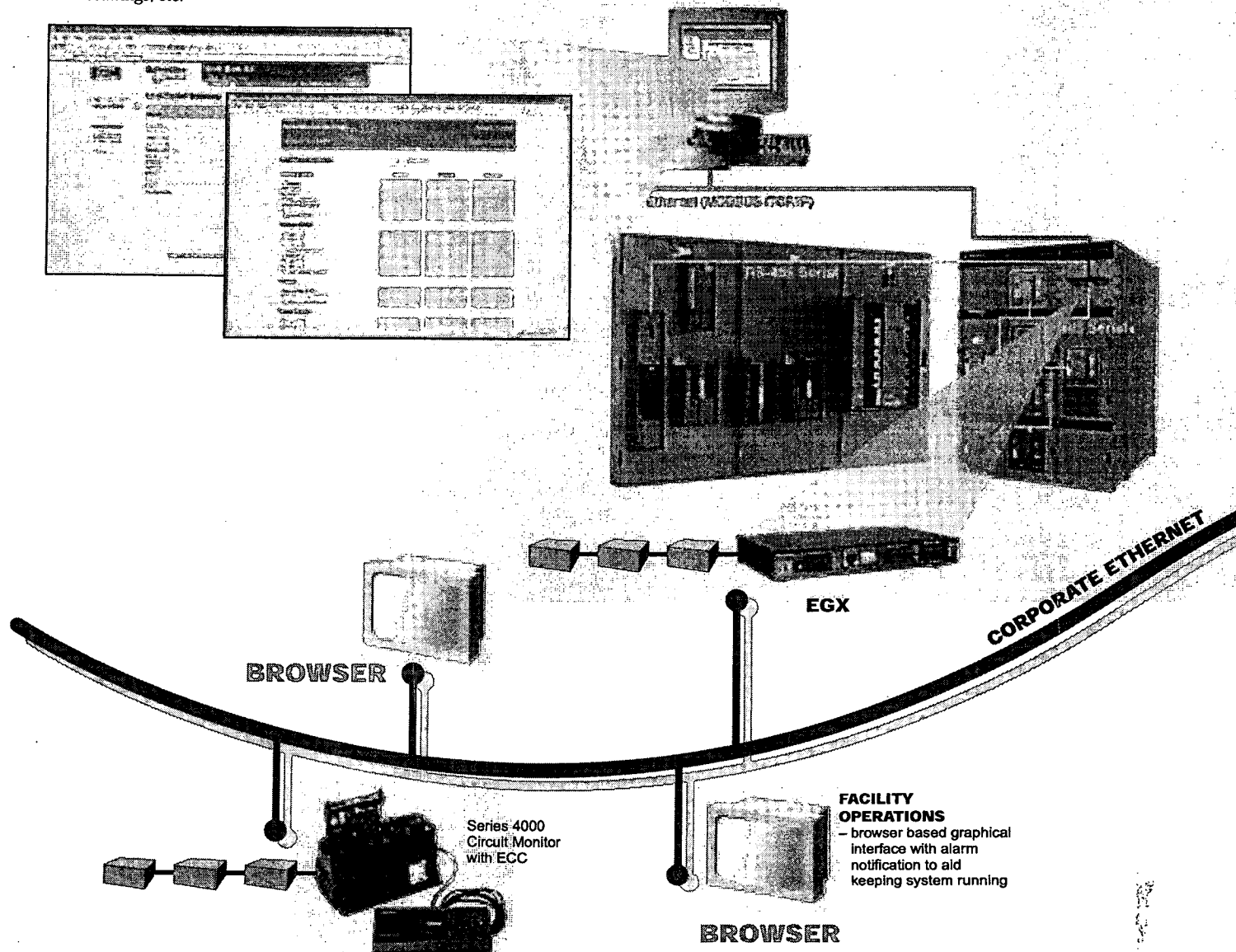
The PowerLogic® Ethernet Gateway (EGX) is an ideal solution for getting power system and other equipment status information onto the Ethernet network and into your web browser. It is small in size, making installation into equipment fast and easy.

Web Page Displays and Storage

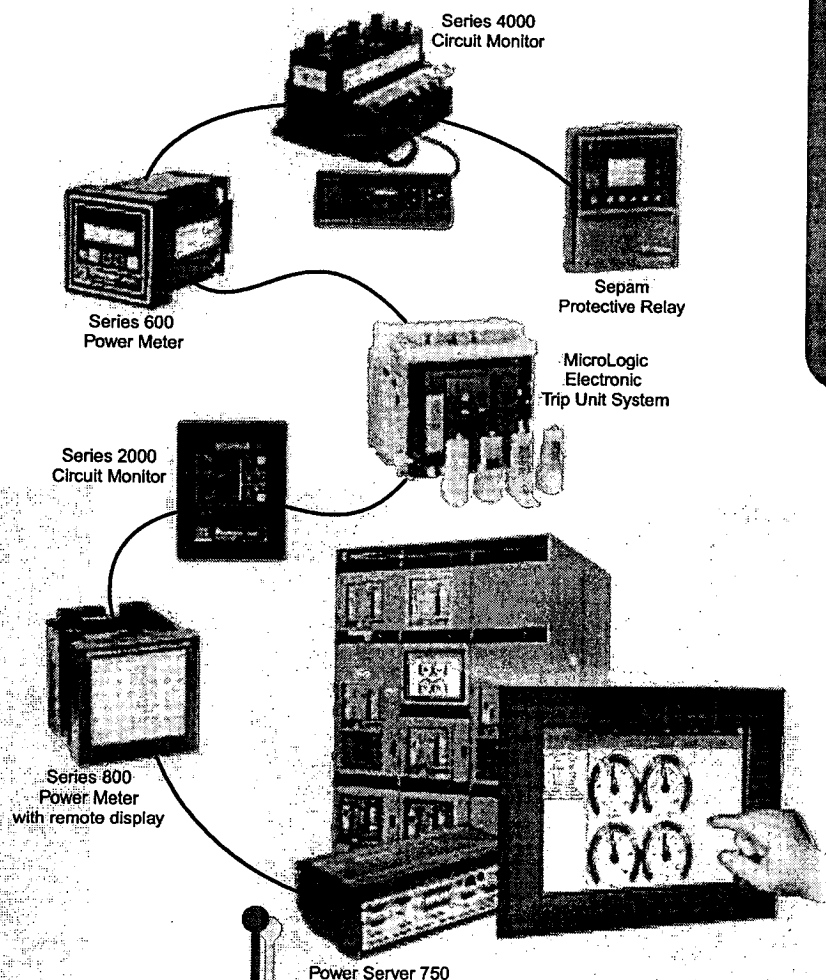
The integral web server inside the EGX400 alleviates the need for special end user software. Remote configuration and data can be viewed using a standard Internet browser. This includes access to usage consumption from piped utilities, and power equipment data from circuit monitors, circuit breaker trip units, programmable controllers, drives and protective relays. There are also standard pages for device resets, diagnostics and web server setup. In addition, there is 16 Mb of internal memory providing storage for standard and user-defined web pages for real time status, instruction manuals, equipment drawings, etc.

Collects and Trends

With reliable high-speed communications, the EGX provides fast system response, direct access to system data, and 38 days of 15-minute interval historical data logging with zoom. Up to 6 parameters can be logged for each connected device. This is particularly useful for capturing interval data for devices not capable of onboard logging. The EGX400 interval logs are also fully compatible with web query in Microsoft® Excel. Once the data is in the spreadsheet, you can analyze it by using the tools and features in Excel. Your imagination is the limit - allocate costs per shift or per manufacturing line, calculate demand, aggregate multiple circuits or facilities for total consumption, monitor energy consumption during peak periods, verify equipment is being shutdown properly during non-production hours, etc.



INTERMEDIATE



Power Monitoring for Equipment Level and Unattended Operations

The PowerLogic® Intermediate Level System is designed for those businesses requiring a simple entry point for monitoring unattended operations. It is ideally suited for remote location power equipment and piped utility points where it can provide browser-based information, on-site, through a touch screen, to make maintenance functions at that location faster and easier. Additionally, it can provide the same browser-based information over the network so it can be accessed from anywhere. The main element of the Intermediate Level is the PowerLogic® Power Server.

Consolidates Information

Fully compatible with the Basic Level gateways, the Power Server communicates, collects and consolidates utility data (including water, air, gas, electric and steam). It is also possible for Power Servers to transfer information to a central Advanced Level PowerLogic® System Manager server.

Comprehensive Monitoring

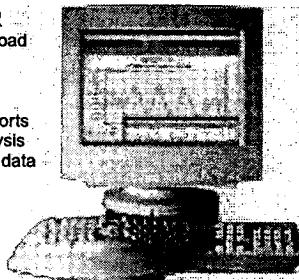
A sampling of Power Server features include data logging, historical reports, graphical displays and real time trends for 64 devices connected via serial or Ethernet port. The Power Server also supports report by exception of alarms/events (email), automatic upload of onboard logging and waveform files, display of events with correlating waveform, and waveform analysis tools for displaying waveform, RMS plot and harmonic content.

BROWSER ENGINEERING

- browser based detailed electrical and mechanical info for design decisions and capacity planning studies
- waveform and power quality analysis

SMS SERVER

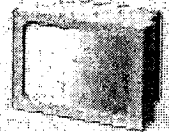
- automatic data upload
- piped utilities
- WAGES cost info
- usage trends
- browser based reports
- power quality analysis
- real time/graphical data
- alarming



MANAGEMENT

- browser based secure access to high level reports
- cost allocation, capital equipment and building improvement

BROWSER



PAGER

get emails for early alarm notification with each user having time of day scheduling options



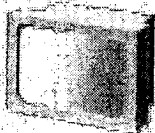
INTERNET

CORPORATE ETHERNET

BROWSER via VPN

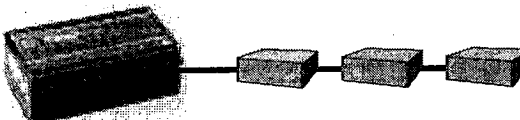
- security through virtual private network only to authorized users
- connect to PowerLogic web-enabled network components or SMS to get info

BROWSER



REMOTE SITE

Power Server pushes data to central SMS Server



System Management and Analysis for Plant and Enterprise Wide Operations

The PowerLogic® Advanced Level is designed for businesses that require more in-depth monitoring and analysis. This level is well suited for a single plant, campus operation and aggregating information from multiple sites. The Advanced Level is powered by a PowerLogic® System Manager Software (SMS) installed on one network PC.

Fully Instrumented System Networked to PowerLogic® System Manager

The diagram illustrates an example PowerLogic® System architecture on an Ethernet network topology. The intranet clients are ordinary PCs with Microsoft® Internet Explorer web browser. Together the PowerLogic® network communication components and SMS support PowerLogic® and Modbus® compatible devices that foster a completely integrated system approach for monitoring, controlling and managing your power equipment and piped utility assets.

Robust Capabilities for Large Systems

The SMS web-enabled product family capabilities include:

- Complete view of entire power system, with virtually unlimited number of devices
- Powerful department billing, cost allocation and power quality reporting capabilities
- Dynamic one-line diagrams and customized facility drawings
- Disturbance monitoring, alarm/event recording
- Ability - to analyze power quality by viewing waveforms, harmonics, and RMS plots
- Access to real-time data tables and trends
- Sequence of events information to pinpoint the root cause of power problems
- Email and paging capability to notify you of an impending problem

Corporate Distributed Monitoring

It is also possible for remote locations that use Power Servers to "PUSH" data to the System Manager computer with Enterprise Extensions. Each Power Server collects data at remote locations then periodically pushes data files to SMS server. Rather than polling across a large enterprise, SMS receives and processes the files. This "PUSH" method effectively utilizes the parallel processing power of the entire system.

SYSTEM COMPONENTS GIVE DEFINITIVE CONCLUSIONS

Instant access to utility, status, power and control information provides definitive conclusions

- Embedded web server technology provides information viewing with Internet Explorer browser
- Browser-based user interface to access all power and control information, reduces training virtually to zero
- Provides standard summary pages for downstream connected devices
- Drop-In sample web pages provide system performance summaries that are based on historical trend analysis – Power Quality Index, Alarm Summary, EN50160 Pass/Fail, and more
- Supports user-defined pages

Industry Standard Open Modbus® Protocol

- Leverage existing network infrastructure and expertise
- Supports Modbus® RTU, Modbus® ASCII, JBUS, SY/MAX protocol for 2 wire and 4 wire daisy chains, mixed mode daisy chains containing any combination of devices using above protocols
- Modbus® TCP/IP Ethernet enables integrated approach for total solution scalability
- Features embedded web server
- Supports wide use of Intranet and Internet technology
- Compatible with building and energy management systems

Industrial rated

- Compliant with Industry Standards (UL, CSA, FCC, CE)
- High performance and reliable communication
- Designed to withstand the rigors of electrical and industrial environments

Out-of-the-box application:

- Energy trends to Web query & Cost Allocation Reports aid utility cost reduction
- Access to system diagrams, instruction manuals, alarm diagnostics for better equipment management
- Power Quality information based on EN50160 & IEEE 1159 standards give pertinent information for improving system reliability
- Email alarms for early notification aid downtime reaction
Includes time of day support for up to 15 different users

Easy system expansion

- Does not require high-level knowledge of Ethernet and communication
- On-the-fly device additions for system connectivity
- Downloadable firmware for easy future upgrades via the network from anywhere in the world

Remote Accessibility

- In the same manner that you can get your company email when at home or at another remote location, you can also connect to any PowerLogic® gateway, Power Server or System Manager web server to get system information over a secure VPN (virtual private network) or telephone line
- Security with data available only to authorized users
- With web technologies, you're connected 24/7

For more information about Transparent Ready, call your local field office representative, or log on to www.us.SquareD.com/TRLC to see a demo and download handouts, catalogs, and instruction materials.

**Transparent
Ready**
Uncomplicated Power & Control

Visit our Web site at www.powerlogic.com
Document #3000BR0401 June 2004



SQUARE D

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Transparent Ready

Web-enabled Power & Control

Features and Benefits

■ **Flexible** - A wide range of SQUARE D power distribution equipment can be made TRANSPARENT READY.

■ **Easy to Commission** - Simply obtain an IP address from your Network Administrator and follow three easy steps to unlock the power of your TRANSPARENT READY equipment (see 1700IB0201 and 1700IB0202).

■ **No Integration Costs** - An Internet browser is all that you will need to access TRANSPARENT READY equipment information via your LAN. For Level One integration, there is no need to purchase additional software, or equipment.

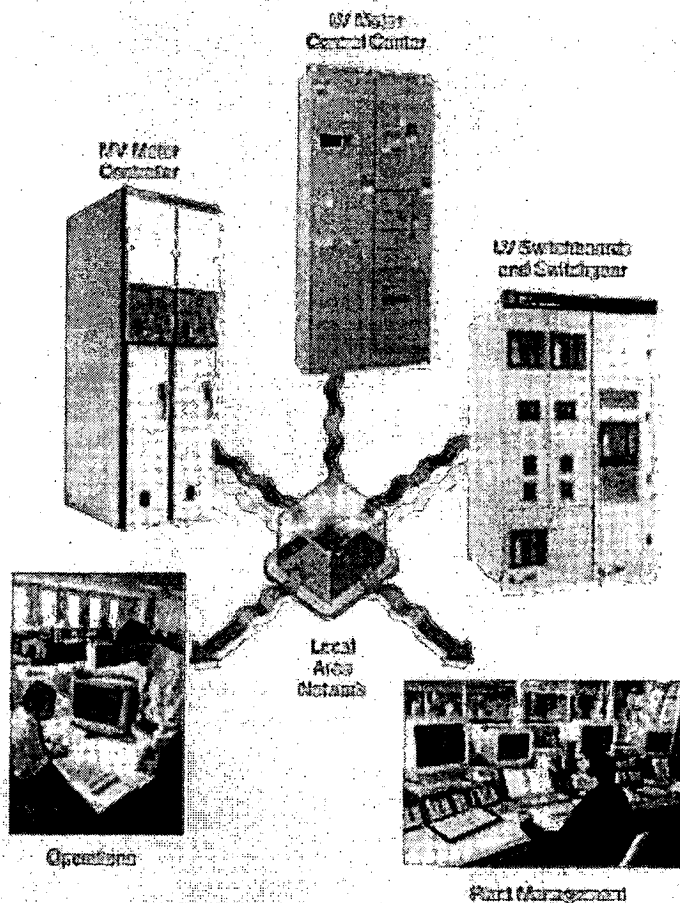
■ **Unprecedented Access** - You can access power equipment system information from any authorized computer on your Intranet. This level of access means that you will never be out of touch with your equipment.

■ **Reduced Operation Costs** - TRANSPARENT READY equipment will help you to facilitate information sharing and to optimize your processes. You will save time and money by knowing where spare capacity exists, and reduce downtime by identifying potential problems before they cause an outage.

TRANSPARENT READY™ Power Distribution Equipment, Level One

Web-Enabled Power and Control

TRANSPARENT READY™ power distribution equipment provides a secure window to your operations. By using your existing IS infrastructure, it allows you to monitor power usage, power quality, and equipment status. All from the comfort of your own desk chair.



TRANSPARENT READY power distribution equipment is available in four levels; this allows you to have only the functionality you need. From essential real-time system data to comprehensive monitoring and analysis, Square D/Schneider Electric ensures you get exactly the power distribution equipment monitoring capabilities you need.

This handout provides you with an overview of TRANSPARENT READY Level One power distribution equipment. If you have further questions, ask your field office representative, or call 1-888-SQUARED.



SQUARE D
Schneider Electric

Exhibit G



TRANSPARENT READY™ Power Distribution Equipment

Features and Benefits

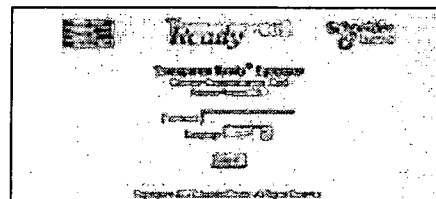
- **Easy to Use** - Obtaining real-time power equipment metering and system information is as easy as logging onto your personal web page. Also, a single Ethernet interface can serve web pages for your entire equipment line-up (up to 64 devices).
- **Time-Saving** - Never wait for system status reports again. You can check reports at a glance, because TRANSPARENT READY web pages provide information in real-time, 24 hours a day, seven days a week.
- **Open and Secure** - A secure login deters unauthorized access, but allows information sharing between authorized users.
- **Upgradable** - TRANSPARENT READY Level One equipment is based on open standards and web technology. This means that your new equipment can form the backbone of an extensive power distribution monitoring network, and it can grow as your organization grows.

The Power of Secure Access at Your Fingertips

TRANSPARENT READY™ Level One equipment comes standard with a web server to store web pages dedicated to power equipment data. Just type the equipment's IP address into your browser and you're ready to go!

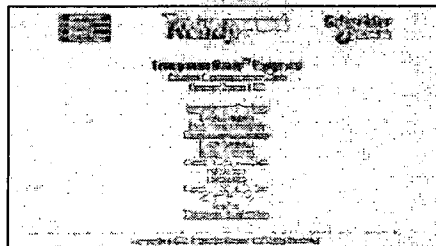
Login Page

Deters unauthorized access to secure data.



Home Page

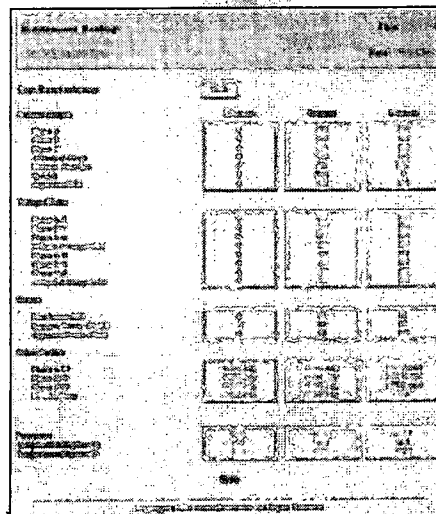
Allows you to easily access metering, summary, and setup pages.

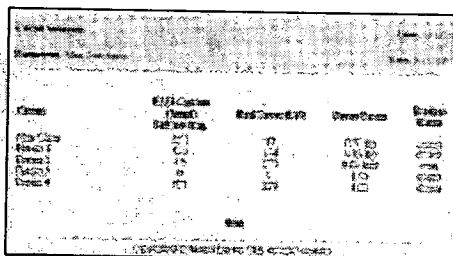


Main Metering Page

(Equipment with CM3000 or CM4000 and ECC only)
Provides automatically updated meter values.

- No need to walk your entire facility to view real-time meter readings.
- A running minimum/maximum history helps you spot abnormal conditions.



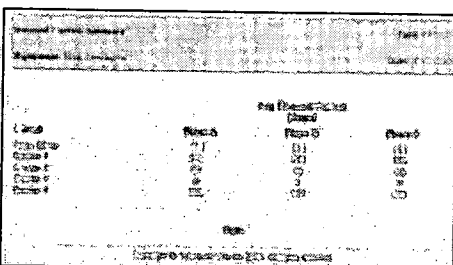


| Circuit | Current (A) | Power (kW) | Power Factor | Breaker Status |
|-----------|-------------|------------|--------------|----------------|
| Circuit 1 | 10.0 | 1.0 | 0.95 | ON |
| Circuit 2 | 15.0 | 1.5 | 0.95 | ON |
| Circuit 3 | 20.0 | 2.0 | 0.95 | ON |
| Circuit 4 | 25.0 | 2.5 | 0.95 | ON |

Circuit Summary

Displays the RMS current three-phase average, the real power (kW), the power factor, and the circuit breaker status (if applicable). The unit substation version also displays the transformer coil temperatures and the fan status. In addition to the RMS current three-phase average and the device status, the MCC version displays the drive output frequency (Hz), and the thermal capacity (%).

- Quickly check the status of all circuits.
- Obtain full loading information.

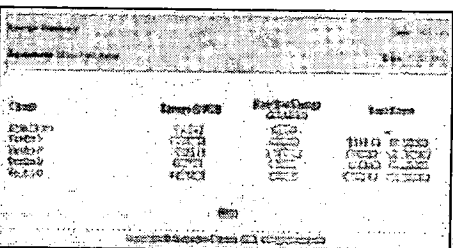


| Circuit | Phase A | Phase B | Phase C |
|-----------|---------|---------|---------|
| Circuit 1 | 10.0 | 10.0 | 10.0 |
| Circuit 2 | 15.0 | 15.0 | 15.0 |
| Circuit 3 | 20.0 | 20.0 | 20.0 |
| Circuit 4 | 25.0 | 25.0 | 25.0 |

Demand Current Summary

Displays the average demand current values for each phase (A, B, and C) for all circuits.

- Loading information is based on average demand.
- Know where spare capacity exists.
- Identify potential overloads before they occur.

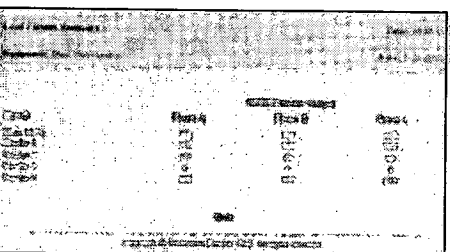


| Circuit | Energy (kWh) | Reactive Energy (kVARh) | Last Reset |
|-----------|--------------|-------------------------|----------------|
| Circuit 1 | 1.0 | 0.5 | 11/11/99 10:00 |
| Circuit 2 | 1.5 | 0.75 | 11/11/99 10:00 |
| Circuit 3 | 2.0 | 1.0 | 11/11/99 10:00 |
| Circuit 4 | 2.5 | 1.25 | 11/11/99 10:00 |

Energy Summary

Displays the energy (kWh), the reactive energy (kVARh), and the time and date of the last reset for all circuits.

- Allows you to determine energy costs based on actual usage.
- Encourages departmental energy savings.

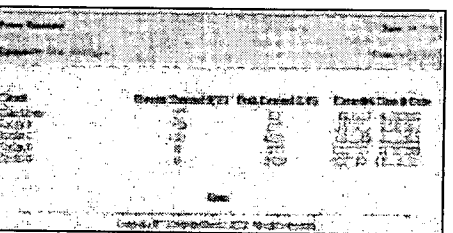


| Circuit | Phase A | Phase B | Phase C |
|-----------|---------|---------|---------|
| Circuit 1 | 10.0 | 10.0 | 10.0 |
| Circuit 2 | 15.0 | 15.0 | 15.0 |
| Circuit 3 | 20.0 | 20.0 | 20.0 |
| Circuit 4 | 25.0 | 25.0 | 25.0 |

Load Current Summary

Displays the current RMS values for each phase (A, B, and C) for all circuits.

- Helps you to verify loading.
- Aids in maintaining balance between the phases.



| Circuit | Present Demand (kW) | Peak Demand (kW) | Last Recorded Time |
|-----------|---------------------|------------------|--------------------|
| Circuit 1 | 1.0 | 1.0 | 11/11/99 10:00 |
| Circuit 2 | 1.5 | 1.5 | 11/11/99 10:00 |
| Circuit 3 | 2.0 | 2.0 | 11/11/99 10:00 |
| Circuit 4 | 2.5 | 2.5 | 11/11/99 10:00 |

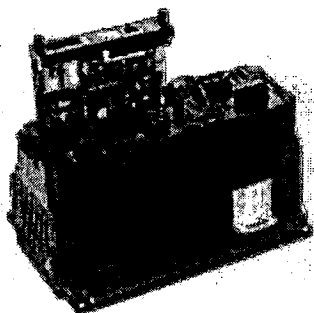
Power Summary

Displays the present demand (kW), the peak demand (kW), and the time and date the values were recorded.

- Helps you to manage energy expenses, because you know where and when peaks occur.

TRANSPARENT READY™ Power Distribution Equipment

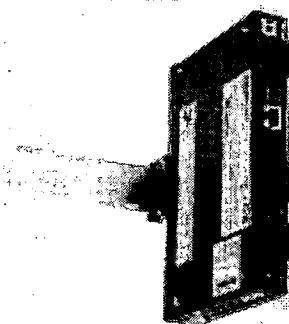
R-1



CM4000 with Ethernet Communications Card



Front-Accessible Connection for Ethernet



EGX Ethernet Gateway with DIN Rail Mount

The Devices that Make It Possible

Networking Devices

TRANSPARENT READY™ Level One equipment is available in two different communication configurations. Both provide access to your power equipment information via a POWERLOGIC Ethernet interface.

- Ethernet Communications Card (ECC) - Web-enables your POWERLOGIC circuit monitor and provides web-based access to downstream-connected devices. Equipment with an ECC includes a bonus web page with real-time metering data for the host circuit monitor (see Main Metering page).
- Ethernet Gateway (EGX) - Features an embedded web server and provides web-based access to downstream-connected devices. Equipment using an EGX includes a front-accessible connection for Ethernet to help make commissioning a snap!

Metering and Monitoring Devices

At the heart of the TRANSPARENT READY Level One system is an assortment of Square D/Schneider Electric products. You can tailor a system to precisely meet your needs by purchasing the devices that provide the system data you desire. The table below details the functionality supported by TRANSPARENT READY Level One web pages and the corresponding devices.

Whether a unit substation, an MCC, or stand-alone switchgear; TRANSPARENT READY Level One equipment provides real-time information at anytime, from anywhere, to any authorized user ... easily!

| | MICROLOGIC® P Trip Unit | MICROLOGIC® A Trip Unit | SEPAM 1000+ Series 40 | SEPAM 1000+ Series 20 | MOTOR LOGIC™ Plus Overload | ALTIVAR® 58 and 66 Drive | ALTISTART® 46 and 48 Soft Starts | MOTOPACT™ Soft Start Relay | MODEL 98 Temp. Controller | CM3000/CM4000 Circuit Monitor | PM600 Power Meter |
|--|-------------------------|-------------------------|-----------------------|-----------------------|----------------------------|--------------------------|----------------------------------|----------------------------|---------------------------|-------------------------------|-------------------|
| RMS Current 3-Phase Average (Amps) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Real Power (kW) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Power Factor | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Circuit Breaker Status (Open/Closed) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Motor Control Device Status | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Fan Status (ON/OFF) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Transformer Coil Temperature (°C) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Drive Output Frequency (Hz) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Thermal Capacity (%) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| RMS Current, Phases A, B, & C (Amps) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Average Demand Current, Phases A, B, & C (Amps) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Present Demand (kW) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Peak Demand (kW) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Date/Time Peak Demand Recorded | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Energy (kWH) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Reactive Energy (kVARH) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Date/Time Energy & Reactive Energy Values Last Reset | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |





Transparent Ready™ Power Distribution Equipment

Power system information
any time...anywhere

*Transparent
Ready™*
Web-enabled Power and Control

SQUARE D® power distribution products are now available web-enabled, making power monitoring simple and affordable.

Using standard POWERLOGIC® web technologies, TRANSPARENT READY equipment provides quick access to power system data any time...from anywhere in the world.

This simpler, pre-engineered offer can be sold on a stand-alone basis, OR as part of a complete POWERLOGIC system, offering:

- Reduced costs
- Easy commissioning
- Easy set-up and use
- Unprecedented access
- Flexibility

As we celebrate a century of the SQUARE D brand as the electrical industry leader, our goal remains to provide technologically advanced, safe, quality products our customers recognize and trust!

To order a brochure or talk to someone about Transparent Ready Equipment, call 1-888-SQUARED.

www.SquareD.com/TRE



SQUARE D
Schneider Electric
Building a New Electric World

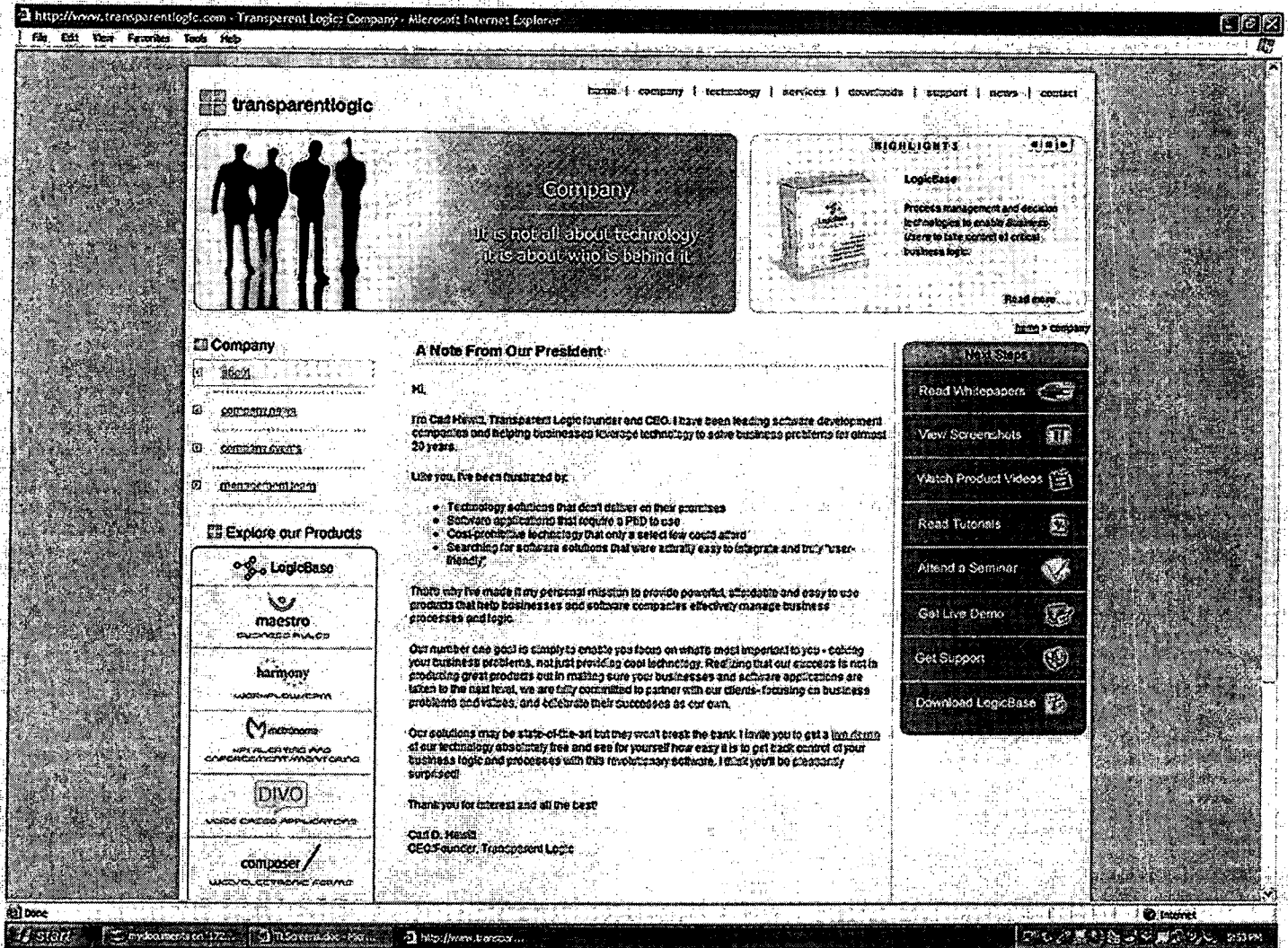


Exhibit I

Commonwealth
of VirginiaState
Corporation
Commission

Enter

Signoff

Help

Print

WEB#575

TCP00004 CISM3155

CIS

OLD NAME INQUIRY

12/01/06

15:31:21

CORP ID: 0605687 - 3

CORP STATUS: 00 ACTIVE

CORP NAME: Transparent Logic Technologies, Inc.

OLD NAME:
X365 TECHNOLOGIES, INC.DATE OF NAME CHANGE:
08/23/05

COMMAND:

NOTE: Function Key usage varies depending on the Application Screen.
For specifics, refer to Function Key Documentation.

Exhibit J

December 2, 2006. Opposer filed this Notice of Opposition on Monday, December 4, 2006, using the Certificate of Mailing procedure under 37 C.F.R. § 2.197. Hence, Opposer submits that this Notice of Opposition was timely filed.

The grounds for opposition are as follows:

1. Opposer is engaged in the manufacture, distribution, advertising, and sale of a wide variety of electrical distribution products and industrial automation and control products and services, including data processing software and telecommunications services.

2. Opposer is the owner (by virtue of a recorded change of name assignment from Schneider Electric Industries SA) of U.S. Trademark Registration Number 2,954,077, registered May 24, 2005, for the mark TRANSPARENT READY for the following goods and services:

(a) "Data processing apparatus, namely, object linking embedding process control and operating software and software comprising general purposes spreadsheets for collecting data on either an intranet or Internet connected personal computer to a programmable logic controller" in International Class 9, U.S. Classes 21, 23, 26, 36, and 38.

(b) "Electrical repairs and installation services of power and control equipment, namely circuit breakers, motor drives, heating apparatus, solenoids, electrical switches, switchboards, electrical proximity and inductive sensors for programmable logic controller systems, I/O modules, and integrated circuit cards" in International Class 37, U.S. Classes 100, 103, and 106.

(c) "Telecommunications services provided on computer networks, namely, providing telecommunications connections to a local area network or a global computer network for monitoring and control services for industrial machines and processes;

electronic transmission of messages and data; providing on-line chat rooms for transmission of messages among computer users concerning the operation, monitoring and control of automation industrial control systems and concerning engineering and related technical subjects; radio broadcasting services; electronic mail services; providing multiple user dial-up and dedicated access to the Internet and on-line help sites” in International Class 38, U.S. Classes 100, 101, and 104.

(d) “Building monitoring services; computer aided electronic Internet services, namely, providing temporary use of non-downloadable software from world wide web sites that transmits programmable logic control software via the Internet” in International Class 42, U.S. Classes 100 and 101.

A copy of the registration certificate for Opposer’s TRANSPARENT READY mark is attached hereto as Exhibit A. This registration is valid and enforceable under 15 U.S.C. §1115.

3. Opposer adopted and used its mark at least as early as those dates indicated in the registration, namely, May 2001. A sample of one of Opposer’s recent “Transparent Ready Power Distribution Equipment” advertising brochures is attached hereto as Exhibit B. This brochure, as well as others showing the use of Opposer’s registered mark, can be found via the Internet at Opposer’s “www.transparent-ready.com” web site. As a result of the extensive use, promotion, and advertising of Opposer’s TRANSPARENT READY mark throughout the world for its web-enabled power and control products and services, this trademark has acquired significant goodwill, gained wide public recognition, and become a substantial business asset of Opposer.

4. Applicant seeks registration on the Principal Register of the mark TRANSPARENT LOGIC for “Computer software for use in automated processing of business

decisions, rules and workflow that may be downloaded from a global computer network” in International Class 009, U.S. Classes 21, 23, 26, 36, and 38. Applicant filed its Section 1(a) application for this mark on February 13, 2006, claiming a date of First Use and a date of First Use in Commerce of August 1, 2005.

5. There is no issue as to priority. Opposer’s TRANSPARENT READY trademark registration date of May 24, 2005, is prior to Applicant’s February 13, 2006, Filing Date and August 1, 2005, dates of First Use.

6. The proposed TRANSPARENT LOGIC mark for which Applicant seeks registration is confusingly similar to Opposer’s registered TRANSPARENT READY mark, and the goods for which Applicant’s proposed mark is intended to be used on are closely related to Opposer’s goods recited in its registration.

7. A comparison of the marks shows that Applicant’s proposed TRANSPARENT LOGIC mark so closely resembles Opposer’s registered TRANSPARENT READY mark as to be likely, when used on or in connection with the goods or services of Applicant, to cause confusion. Both marks incorporate the same first word “Transparent” and only differ with regard to the second word. Both marks are similar in their entirety in appearance, connotation, and commercial impression. Upon information and belief, Opposer asserts that the marks will be used in the same channels of trade on goods marketed to the same types of purchasers. Hence, the marks are confusingly similar.

8. As to the similarity of goods, Opposer’s registered TRANSPARENT READY mark is used on “process control and operating software” and “software ... for collecting data on either an intranet or Internet connected personal computer ...” in International Class 9, as recited in Opposer’s description of goods. Applicant’s proposed TRANSPARENT LOGIC mark is

intended to be used on “computer software for use in automated processing of business decisions, rules and workflow that may be downloaded from a global computer network” as recited in Applicant’s description of goods in International Class 9. Both goods descriptions describe business-related computer software for automating workflow using the Internet and, as such, are confusingly similar.

9. Opposer’s description of services set forth in International Class 38 recites “Telecommunications services provided on computer networks, namely, providing telecommunications connections to a local area network or a global computer network for monitoring and control services for industrial machines and processes; electronic transmission of messages and data; providing on-line chat rooms for transmission of messages among computer users concerning the operation, monitoring and control of automation industrial control systems and concerning engineering and related technical subjects; ... providing multiple user dial-up and dedicated access to the Internet and on-line help sites”. These services include, or are at least very closely related to, Applicant’s use of “computer software for use in automated processing of business decisions ... that may be downloaded from a global computer network”. Hence, the goods are either the same or so closely related that confusion in the marketplace is bound to occur.

10. In view of the similarity of the marks and goods of the respective parties, it is believed that Applicant’s proposed TRANSPARENT LOGIC mark so resembles Opposer’s registered TRANSPARENT READY mark as to be likely to cause confusion, cause mistake, or to deceive.

11. Opposer is also the parent company of Square D Company, a Delaware corporation, which is the owner of a family of registered U.S. Trademarks containing the word "LOGIC", three of which are listed here:

(a) U.S. Trademark Registration Number 1,626,754, registered December 11, 1990, for the mark POWERLOGIC for the following goods and services: "Electronic monitoring and control system for electrical power distribution system, namely monitors, display terminals, meters, personal computers, switchgear, circuit breakers, load centers, modems and computer programs for the operation and simulation of electronic monitoring and control systems" in International Class 9, U.S. Classes 21, 26, and 38. A copy of this registration certificate is attached hereto as Exhibit C.

(b) U.S. Trademark Registration Number 2,342,710, registered April 18, 2000, for the mark MICROLOGIC for the following goods and services: "Electrical equipment namely circuit breakers" in International Class 9, U.S. Classes 21, 23, 26, 36, and 38. A copy of this registration certificate is attached hereto as Exhibit D.

(c) U.S. Trademark Registration Number 2,682,452, registered February 4, 2003, for the mark MOTOR LOGIC for the following goods and services: "Electrical overload relays" in International Class 9, U.S. Classes 21, 23, 26, 36, and 38. A copy of this registration certificate is attached hereto as Exhibit E.

12. There is no issue as to priority regarding these three "LOGIC" marks. The registration dates of 1990, 2000, and 2003 are all prior to Applicant's February 13, 2006, Filing Date, as well as prior to its August 1, 2005, dates of First Use.

13. Opposer, through its subsidiary corporation Square D, adopted and used these three "LOGIC" marks at least as early as those dates indicated in the respective registrations.

Furthermore, Opposer adopted and used these three “LOGIC” marks in conjunction with its TRANSPARENT READY mark at least as early as 2002. Three samples of such commercial use of one or more of Opposer’s “LOGIC” marks with Opposer’s TRANSPARENT READY mark in the same product advertising brochures are attached hereto as Exhibits. Specifically, Exhibit F shows the use of TRANSPARENT READY with POWERLOGIC and MICROLOGIC; Exhibit G shows the use of TRANSPARENT READY with POWERLOGIC and MICROLOGIC and MOTOR LOGIC; Exhibit H shows the use of TRANSPARENT READY with POWERLOGIC. These brochures, as well as others using Opposer’s TRANSPARENT READY mark with one or more of its “LOGIC” marks, can be found via the Internet at Opposer’s “www.transparent-ready.com” web site and other web sites.

14. Opposer markets its TRANSPARENT READY web-enabled power and control products with its POWERLOGIC power distribution products in the same marketing materials to the same purchasers. In fact, Opposer’s TRANSPARENT READY mark is even used in the same sentence as its POWERLOGIC mark, as shown in both Exhibit B (“Transparent Ready[®] equipment incorporates PowerLogic[®] power monitoring technology ...”, page 7) and Exhibit H (“Using standard POWERLOGIC[®] Web technologies, TRANSPARENT READY equipment provides ...”, page 1).

15. Opposer, by its sales and advertising of its goods sold under its TRANSPARENT READY mark used with its POWERLOGIC and MICROLOGIC and MOTOR LOGIC marks, has developed exceedingly valuable goodwill throughout the United States with respect to said TRANSPARENT READY and “LOGIC” marks.

16. Use of Applicant’s proposed TRANSPARENT LOGIC mark with business-related computer software would be taken by purchasers of such software as an indication of

origin in Opposer, particularly since the first part "TRANSPARENT" is the same as the first part of Opposer's registered TRANSPARENT READY mark, and the second part "LOGIC" is the same as the second part of several of Opposer's family of registered "LOGIC" marks, such as POWERLOGIC, MICROLOGIC, and MOTOR LOGIC. The net effect of a registered trademark having the first part "TRANSPARENT" and the second part "LOGIC" for use with business-related computer software would cause confusion in the marketplace, resulting in damage and injury to Opposer. Any such confusion inevitably would result in loss of sales to the Opposer.

17. As a result of the extensive use, promotion, and advertising of Opposer's TRANSPARENT READY mark throughout the world for its web-enabled power and control products, in conjunction with its POWERLOGIC and/or MICROLOGIC and/or MOTOR LOGIC trademarks for such power and control products, the registration of TRANSPARENT LOGIC by Applicant is likely to cause confusion or mistake in the minds of consumers and to lead prospective purchasers to believe Applicant's products as designated are products of Opposer, or in some way backed by, sponsored by, franchised by, approved, associated with, or otherwise connected with the good name and reputation of Opposer, to the damage and injury of Opposer and its goodwill in its registered marks.

18. The proposed mark TRANSPARENT LOGIC is not registerable because it constitutes merely a trade name to identify the corporation "Transparent Logic Technologies Inc." Applicant's specimen itself, filed in the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration, supports such determination. A copy of the specimen is attached hereto as Exhibit I. The specimen, which was described by Applicant as "Screen copy of Internet Web Site page showing use of 'Transparent Logic'", states in the browser title

bar “Transparent Logic: Company”, and refers only to Transparent Logic as a trade name to identify the company, e.g., “ Hi, I’m Carl Hewitt, Transparent Logic founder and CEO.”

19. The proposed mark TRANSPARENT LOGIC is not registerable because the specimen filed in the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration does not show TRANSPARENT LOGIC as a trademark used on or in connection with goods for which registration was being sought. The specimen, Exhibit I, does not show TRANSPARENT LOGIC as a trademark on or in connection with any goods. The specimen does, however, show several other of Applicant’s trademarks, such as “LogicBase” or “Composer”, in connection with Applicants goods, as shown in the lower left under the subtitle “Explore our Products”.

20. The proposed mark TRANSPARENT LOGIC is not registerable because the drawing of the mark is not a substantially exact representation of the mark as used on or in connection with the goods or services, as shown by the specimen, Exhibit I. The drawing shows the two words “Transparent Logic” (two words separated by a space character), while the specimen filed with the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration shows a distinctly different logo with the single word “transparentlogic” (one word without any space character).

21. The proposed mark TRANSPARENT LOGIC is not registerable because, upon information and belief, Opposer alleges that there was no bona fide use in commerce prior to the filing of the application for registration. The specimen filed with the U.S. Patent and Trademark Office on which the Applicant bases its claim for registration shows the use of a logo with the single word “transparentlogic” (one word without any space character) on a web page, which

Int. Cls.: 9, 37, 38 and 42

Prior U.S. Cls.: 21, 23, 26, 36, 38, 100, 101, 103, 104
and 106

United States Patent and Trademark Office

Reg. No. 2,954,077

Registered May 24, 2005

**TRADEMARK
SERVICE MARK
PRINCIPAL REGISTER**

TRANSPARENT READY

SCHNEIDER ELECTRIC INDUSTRIES SA
(FRANCE CORPORATION)
89, BOULEVARD FRANKLIN ROOSEVELT
RUEIL-MALMAISON, FRANCE 92500

FOR: DATA PROCESSING APPARATUS, NAME-
LY, OBJECT LINKING EMBEDDING PROCESS
CONTROL AND OPERATING SOFTWARE AND
SOFTWARE COMPRISING GENERAL PURPOSES
SPREADSHEETS FOR COLLECTING DATA ON
EITHER AN INTRANET OR INTERNET CONNEC-
TED PERSONAL COMPUTER TO A PROGRAMMA-
BLE LOGIC CONTROLLER, IN CLASS 9 (U.S. CLS.
21, 23, 26, 36 AND 38).

FOR: ELECTRICAL REPAIRS AND INSTALLA-
TION SERVICES OF POWER AND CONTROL
EQUIPMENT, NAMELY CIRCUIT BREAKERS, MO-
TOR DRIVES, HEATING APPARATUS, SOLE-
NOIDS, ELECTRICAL SWITCHES,
SWITCHBOARDS, ELECTRICAL PROXIMITY
AND INDUCTIVE SENSORS FOR PROGRAMMA-
BLE LOGIC CONTROLLER SYSTEMS, I/O MOD-
ULES, AND INTEGRATED CIRCUIT CARDS, IN
CLASS 37 (U.S. CLS. 100, 103 AND 106).

FOR: TELECOMMUNICATIONS SERVICES PRO-
VIDED ON COMPUTER NETWORKS, NAMELY,
PROVIDING TELECOMMUNICATIONS CONNEC-
TIONS TO A LOCAL AREA NETWORK OR A
GLOBAL COMPUTER NETWORK FOR MONITOR-
ING AND CONTROL SERVICES FOR INDUSTRIAL

MACHINES AND PROCESSES; ELECTRONIC
TRANSMISSION OF MESSAGES AND DATA; PRO-
VIDING ON-LINE CHAT ROOMS FOR TRANSMIS-
SION OF MESSAGES AMONG COMPUTER USERS
CONCERNING THE OPERATION, MONITORING
AND CONTROL OF AUTOMATION INDUSTRIAL
CONTROL SYSTEMS AND CONCERNING ENGI-
NEERING AND RELATED TECHNICAL SUBJECTS;
RADIO BROADCASTING SERVICES; ELECTRONIC
MAIL SERVICES; PROVIDING MULTIPLE USER
DIAL-UP AND DEDICATED ACCESS TO THE IN-
TERNET AND ON-LINE HELP SITES, IN CLASS 38
(U.S. CLS. 100, 101 AND 104).

FOR: BUILDING MONITORING SERVICES;
COMPUTER AIDED ELECTRONIC INTERNET
SERVICES, NAMELY, PROVIDING TEMPORARY
USE OF NON-DOWNLOADABLE SOFTWARE
FROM WORLD WIDE WEB SITES THAT TRANS-
MITS PROGRAMMABLE LOGIC CONTROL SOFT-
WARE VIA THE INTERNET, IN CLASS 42 (U.S. CLS.
100 AND 101).

PRIORITY CLAIMED UNDER SEC. 44(D) ON
FRANCE APPLICATION NO. 013099528, FILED 5-
10-2001, REG. NO. 013099528, DATED 5-10-2001, EX-
PIRES 5-10-2011.

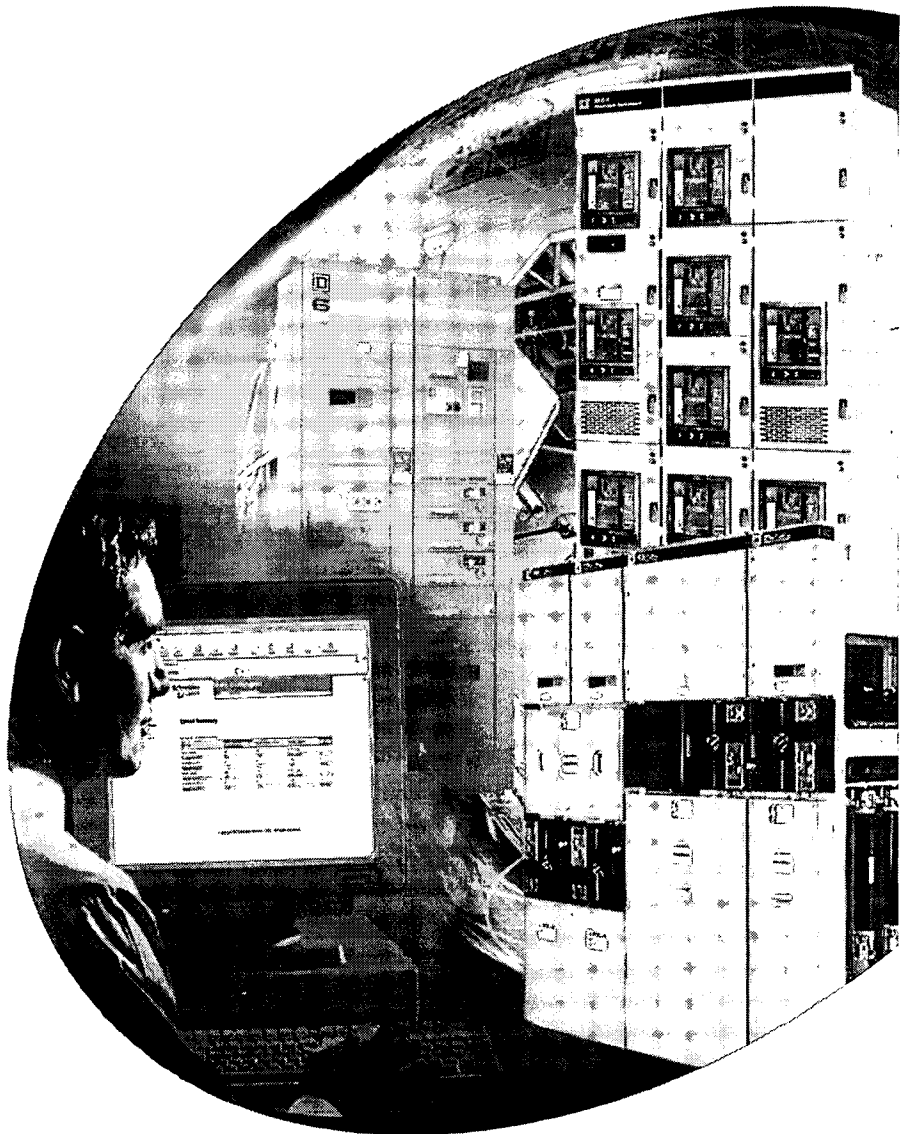
SER. NO. 76-332,734, FILED 11-2-2001.

ELIZABETH J. WINTER, EXAMINING ATTORNEY

Exhibit A

*Transparent Ready® Power
Distribution Equipment*
Simple, affordable access
to power system information.

Ready®
Web-enabled Power & Control



a brand of
**Schneider
Electric**

 **SQUARE D**

Exhibit B

Transparent Ready® Means Energy Efficiency

Transparent Ready® power distribution equipment features an Ethernet interface, and an embedded Web server to provide you with the information you need to manage the cost and quality of power.

“Why did that breaker trip? Where can I add this new load? Who’s wasting energy?”

Reduce Energy Costs

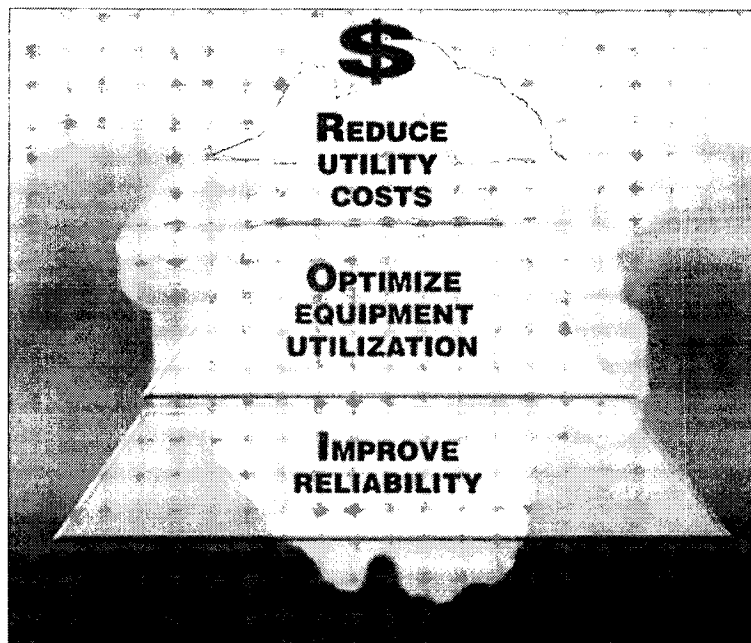
- Save 2-4% or more on power bills by knowing where energy is being used.
- Track the number of kilowatt hours used each month, by function or department.
- Identify where and when new peak demands occur, driving up utility bills.

Optimize Equipment Utilization

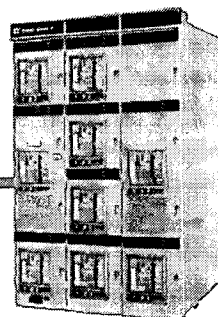
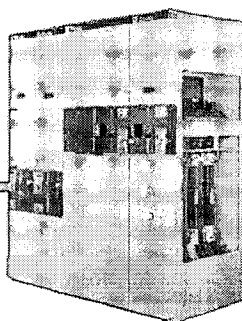
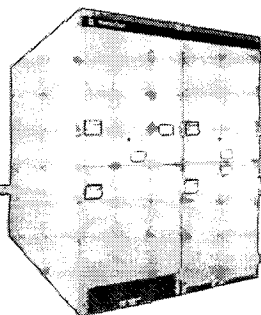
- Save 2-5% on operating costs and capital expenses by eliminating unnecessary purchases.
- Know where spare capacity exists before you add that new machine.
- Identify wasteful load unbalances or excessive loading on transformers that may be silently reducing longevity.
- By optimizing your electrical system, you will extend the life of your equipment and maximize your investment.

Improve Reliability

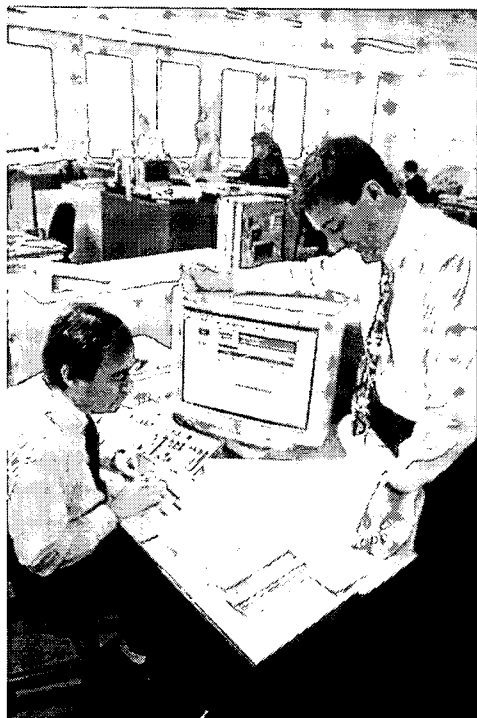
- Save thousands of dollars by avoiding downtime through advanced warning of abnormal conditions.
- With detailed metering data on all circuits, you will be able to spot potential hazards before they cause a costly shutdown.
- Quickly diagnose problems when interruptions do occur.



A complete range of power distribution equipment ...



Transparent Ready® Means Affordability



Simple, affordable power monitoring

Transparent Ready® equipment is pre-engineered to include the most popular current, power and energy web pages, and is completely configured and tested at the factory. You know exactly what you're getting before you place the order.

"I need equipment that connects right into my existing network, without any system integration costs."

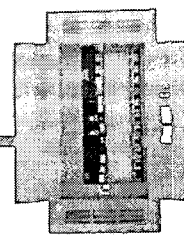
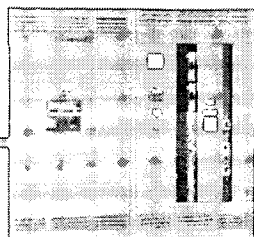
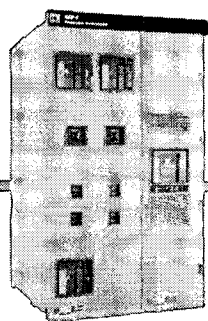


Leverage your existing IT infrastructure

With Transparent Ready equipment there is no need to run new proprietary networks around your facility. Just connect the equipment's built-in Ethernet interface to a nearby hub or switch on your existing Ethernet Local Area Network (LAN).

The only commissioning required is to set the equipment's network address. Now you're ready to access power system information from any PC on your network, using a standard Web browser.

... one convenient way to access information. Transparent Ready® equipment.



Transparent Ready® Means Easy Access to Power System Information

Standard Web pages

Transparent Ready® equipment comes with predefined Web pages so you can access power system data right away. The equipment hosts its own Web site giving you the data you need on main, tie and feeder circuits using a standard Web browser – just point and click.

Detailed Readings Per Device

Displays detailed, device-specific information for each monitored device in the lineup. Each "Basic Readings" page provides real-time and historical data according to the device type.

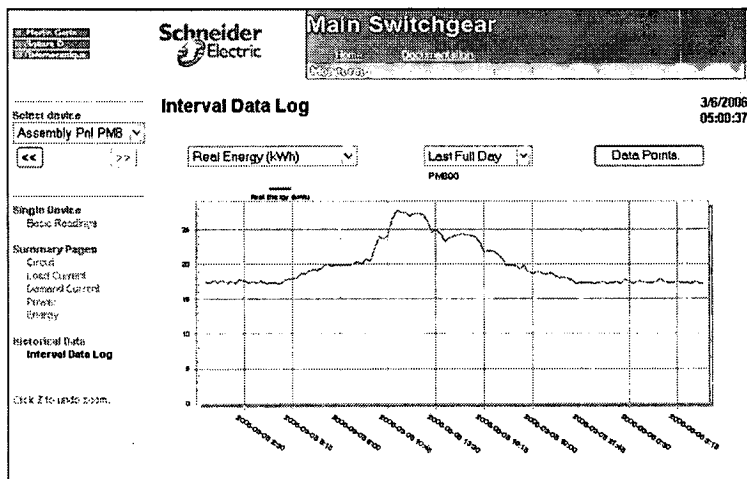
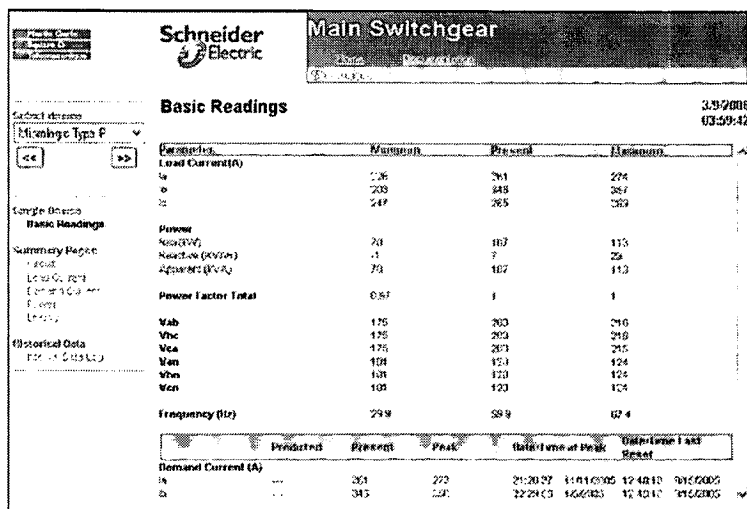
- Analyze power quality, or diagnose power-related problems.
- Check breaker trip history, additional metering values, or device settings.

Historical Trending Per Device

The embedded Web server records metering data at user-defined intervals, and "Interval Data Log" pages provide a graphic trend plot for the specified period – day, week, or month.

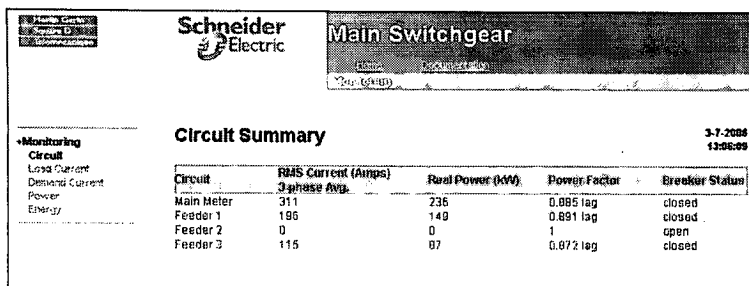
- Understand energy usage throughout the month, by product or department.
- Spot abnormal trends or unusual consumption patterns quickly.
- Data is maintained in non-volatile memory to safeguard your investment.
- Archive data to your PC easily for long-term storage and further analysis and reporting.

Easy



Existing
Ethernet
LAN

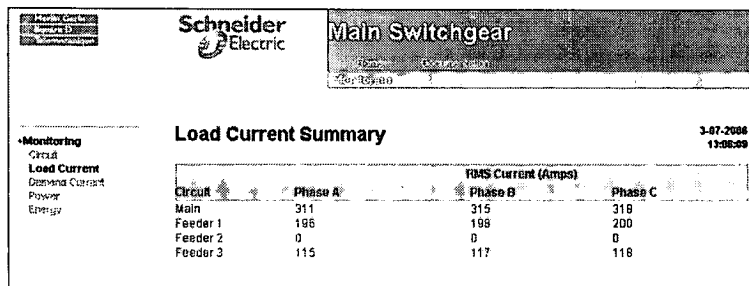
Transparent Ready® Means Simplicity



Circuit Summary

Displays the RMS current, real power (kW), power factor, and breaker status for all monitored circuits in the equipment lineup. With unit substations, you even get a 'snapshot' of the transformer coil temperatures and the fan status.

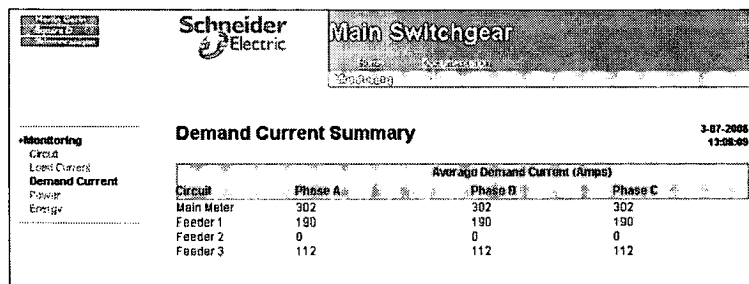
- Quickly check the status of all circuits.
- Compare circuit loading at a glance.



Load Current Summary

Displays the RMS current values, per phase, for all monitored circuits in the lineup.

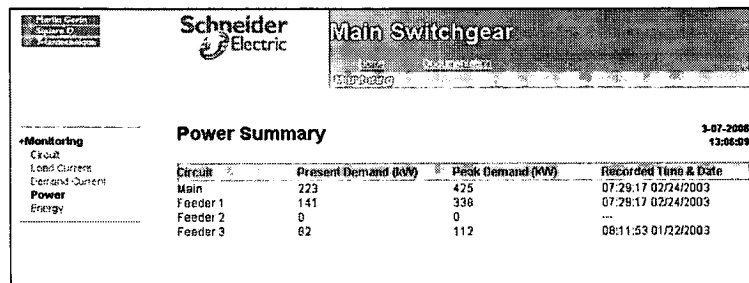
- Verify circuit loading, based on real-time data.
- Spot circuits with unbalanced single-phase loads.



Demand Current Summary

Displays the demand current values (averaged over time), per phase, for all monitored circuits in the lineup.

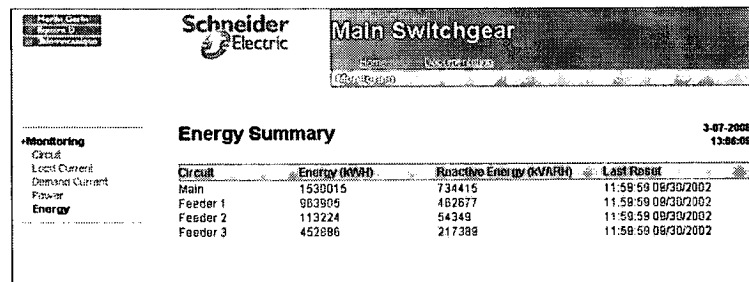
- Know where spare capacity exists.
- Identify potential overloads before they occur.



Power Summary

Displays the demand power values and the associated time/date for all monitored circuits in the lineup.

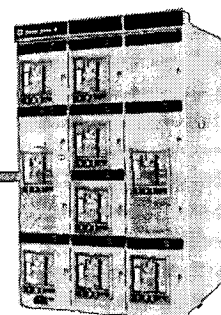
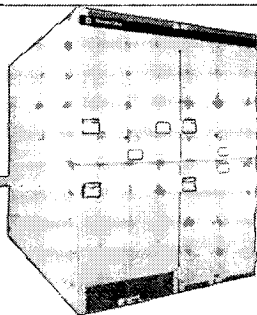
- Identify where and when new demand peaks occur each month.
- Discover where to make minor changes that result in big savings on your electric utility bill.



Energy Summary

Displays the energy values for all monitored circuits in the lineup.

- Allocate energy costs by product or department, based on actual usage.
- Compare energy consumption across circuits.
- Encourage conservation through greater awareness of energy usage and potential savings.

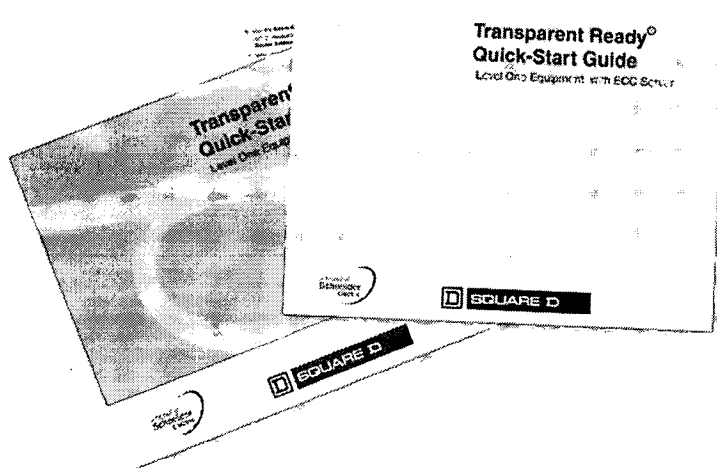
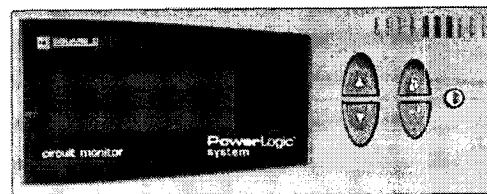
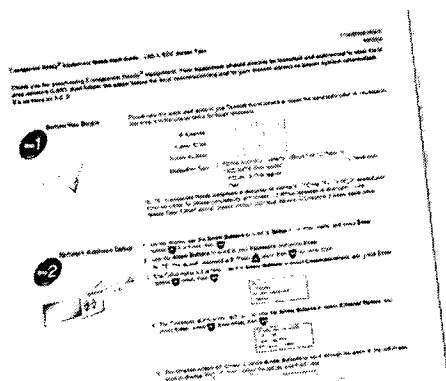
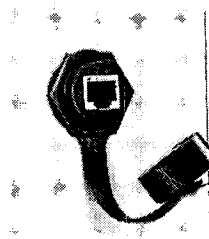


Transparent Ready® Means Easy to Commission

1.2.3

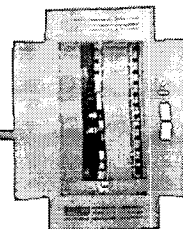
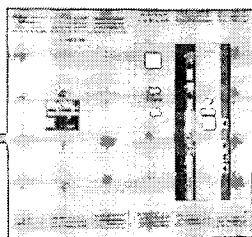
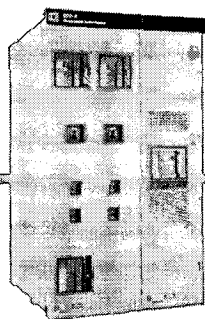
Commissioning is as easy as 1-2-3

Once your equipment's Ethernet interface is connected to your Ethernet network, you need only enter the equipment's network address. There is no need to shut down the equipment or open access panels. Just set the network address through the convenient display, or the front-accessible Ethernet port (depending on the model purchased).



A Quick-Start Guide is included with every Transparent Ready equipment lineup to make commissioning worry-free. Just follow the simple, three-step process and your equipment will be online in minutes:

1. Obtain a network address (IP address) from your network administrator.
2. Enter this information into the equipment via the local display or front Ethernet port.
3. Open your Web browser from any PC on your network and log on to your Transparent Ready® equipment home page.



Transparent Ready® Means Connectivity

PowerLogic®

Available everywhere on your network

Transparent Ready® equipment incorporates PowerLogic® power monitoring technology to form a stand-alone Web site, or become a building block in a complete PowerLogic power monitoring and control system.

You'll have easy access to power system information when you need it, and software tools to help you analyze conditions and take appropriate action. Also, thanks to the open connectivity of Ethernet, you can even share critical data with building automation or process control systems.

It doesn't stop within the walls of the facility. If you're an authorized user who travels and you have access to your company intranet, you can log in just as easily as you can check your e-mail. And, if you have multiple facilities connected to one intranet, any authorized user can check any equipment, at any location.

Transparent Ready equipment serves you the information you want, whenever you want it, wherever you want it.

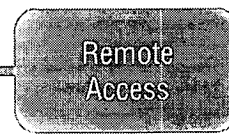
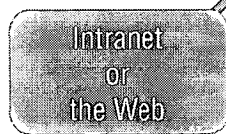
Leverage your existing network
You've already invested in a local area network (LAN) and other IT infrastructure to help manage your operation.

Because Transparent Ready equipment connects to your existing system, there are no additional costs. Just connect Transparent Ready equipment to your existing LAN and use the Web browsers that you already own.

It's that simple.



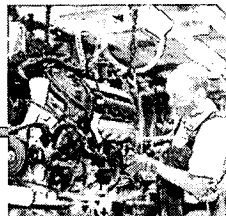
Corporate Engineering



Design



Production



Operations



Maintenance

Transparent Ready® Equipment Selection Guide

| | TRE-1 | TRE-2 | TRE-2 Plus SMS* | Custom |
|---|-------|-------|--------------------|--------|
| Ethernet network connection, 100Mbps | ■ | ■ | ■ | ■ |
| Integral Web server | ■ | ■ | ■ | ■ |
| Summary power monitoring Web pages, all circuits | ■ | ■ | ■ | ■ |
| Alternate Circuit Summary page for MCCs or unit substations | ■ | ■ | ■ | ■ |
| Quick-Start Guide to ensure trouble-free commissioning | ■ | ■ | ■ | ■ |
| Front-accessible Ethernet port, for local access | ■ | ■ | ■ | ■ |
| Basic readings, all devices, for each device type | ■ | ■ | ■ | ■ |
| Basic historical data logging, graphical trend plot | ■ | ■ | ■ | ■ |
| Email data logs automatically for archived storage | ■ | ■ | ■ | ■ |
| Optional energy cost reports available | ■ | ■ | ■ | ■ |
| Setup, individual devices | ■ | ■ | ■ | ■ |
| Meters, summary tables, barcharts | ■ | ■ | ■ | ■ |
| Harmonic analysis, voltage disturbances | ■ | ■ | ■ | ■ |
| Interactive graphics: one-line and elevation view | ■ | ■ | ■ | ■ |
| User-configurable alarms | ■ | ■ | ■ | ■ |
| User-configurable data logging and trending | ■ | ■ | ■ | ■ |
| User-configurable Web pages and reports | ■ | ■ | ■ | ■ |
| Customized system view or site plan of all lineups | ■ | ■ | ■ | ■ |

Custom-engineered solution based on
TRE-1 or TRE-2 platform
to meet special customer requirements

*PowerLogic System Manager Software (SMS) for comprehensive power monitoring and analysis

Transparent Ready Equipment Advantages

Using Web-enabled equipment is as easy as opening a Web page. Reduced energy costs, optimized equipment, and improved reliability are all just a click away.

- **Energy Efficiency** - Transparent Ready Equipment gives you the information you need to manage the cost and quality of power: reduce energy costs, optimize equipment utilization and improve system reliability.
- **Affordability** - Every lineup is pre-engineered and serves data from the intelligent breakers and relays you probably already specify.
- **Simplicity** - Each lineup includes its own Ethernet interface and Web server and connects to your network just like a PC or printer.
- **Easy to Commission** - Transparent Ready Equipment is completely configured and tested at the factory. Just set the network IP address using the included Quick-Start Guide.
- **Easy to Use** - Access power monitoring data using a standard Web browser from any computer on your network.
- **Economical** - Leverage your existing IT infrastructure and expertise. Instead of adding new wires based on proprietary networks.
- **Connectivity** - Each Transparent Ready Equipment lineup serves as a stand-alone Web site or as a building block for other systems, such as a complete PowerLogic power monitoring and control system.

Schneider Electric - North American Operating Division

1010 Airpark Center Drive
Nashville, TN 37217
1-888-SquareD
(1-888-778-2733)

For more information about Transparent Ready equipment, visit
www.us.squared.com/TRE.

Transparent Ready is a registered U.S. trademark of Schneider Electric for its web-enabled power and control products, software, and services.

Int. Cl.: 9

Prior U.S. Cls.: 21, 26 and 38

United States Patent and Trademark Office

Reg. No. 1,626,754

Registered Dec. 11, 1990

**TRADEMARK
PRINCIPAL REGISTER**

POWERLOGIC

SQUARE D COMPANY (DELAWARE CORPORATION)
EXECUTIVE PLAZA
PALATINE, IL 60067

FOR: ELECTRONIC MONITORING AND CONTROL SYSTEM FOR ELECTRICAL POWER DISTRIBUTION SYSTEM, NAMELY MONITORS, DISPLAY TERMINALS, METERS, PERSONAL COMPUTERS, SWITCHGEAR, CIRCUIT BREAKERS, LOADCENTERS, MODEMS AND COMPUTER PROGRAMS FOR

THE OPERATION AND SIMULATION OF ELECTRONIC MONITORING AND CONTROL SYSTEMS, IN CLASS 9 (U.S. CLS. 21, 26 AND 38).

FIRST USE 4-2-1989; IN COMMERCE 4-2-1989.

OWNER OF U.S. REG. NOS. 708,033 AND 783,553.

SER. NO. 73-815,520, FILED 7-28-1989.

KATHRYN DOBBS, EXAMINING ATTORNEY

Exhibit C

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

Reg. No. 2,342,710

United States Patent and Trademark Office

Registered Apr. 18, 2000

**TRADEMARK
PRINCIPAL REGISTER**

MICROLOGIC

**SQUARE D COMPANY (DELAWARE CORPORATION)
1415 S. ROSELLE ROAD
PALATINE, IL 60067**

**FIRST USE 4-0-1985; IN COMMERCE
4-0-1985.**

**FOR: ELECTRICAL EQUIPMENT NAMELY
CIRCUIT BREAKERS, IN CLASS 9 (U.S. CLS.
21, 23, 26, 36 AND 38).**

SER. NO. 75-572,579, FILED 10-16-1998.

MARK SPARACINO, EXAMINING ATTORNEY

Exhibit D

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

United States Patent and Trademark Office

Reg. No. 2,682,452

Registered Feb. 4, 2003

**TRADEMARK
PRINCIPAL REGISTER**

MOTOR LOGIC

SQUARE D COMPANY (DELAWARE CORPORATION)
1415 S. ROSELLE ROAD
PALATINE, IL 60067

NO CLAIM IS MADE TO THE EXCLUSIVE
RIGHT TO USE "LOGIC", APART FROM THE
MARK AS SHOWN.

FOR: ELECTRICAL OVERLOAD RELAYS, IN
CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

SER. NO. 76-196,269, FILED 1-19-2001.

FIRST USE 2-0-1995; IN COMMERCE 2-0-1995.

LESLEY LAMOTHE, EXAMINING ATTORNEY

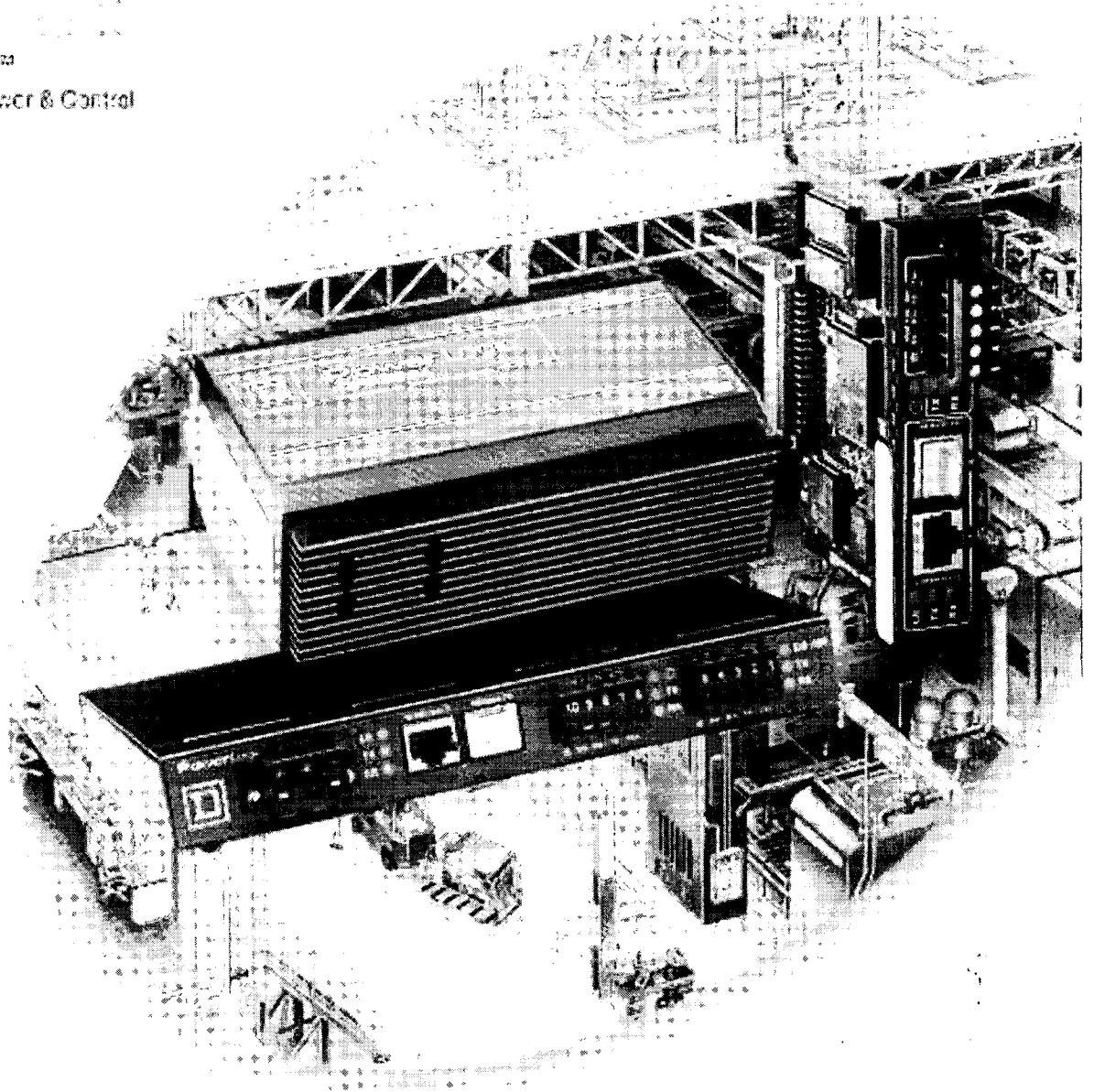
Exhibit E

PowerLogic® Web-Enabled Network Components

Access valuable power and utility
information from your system

Ready™

Web-enabled Power & Control



a brand of
**Schneider
Electric**

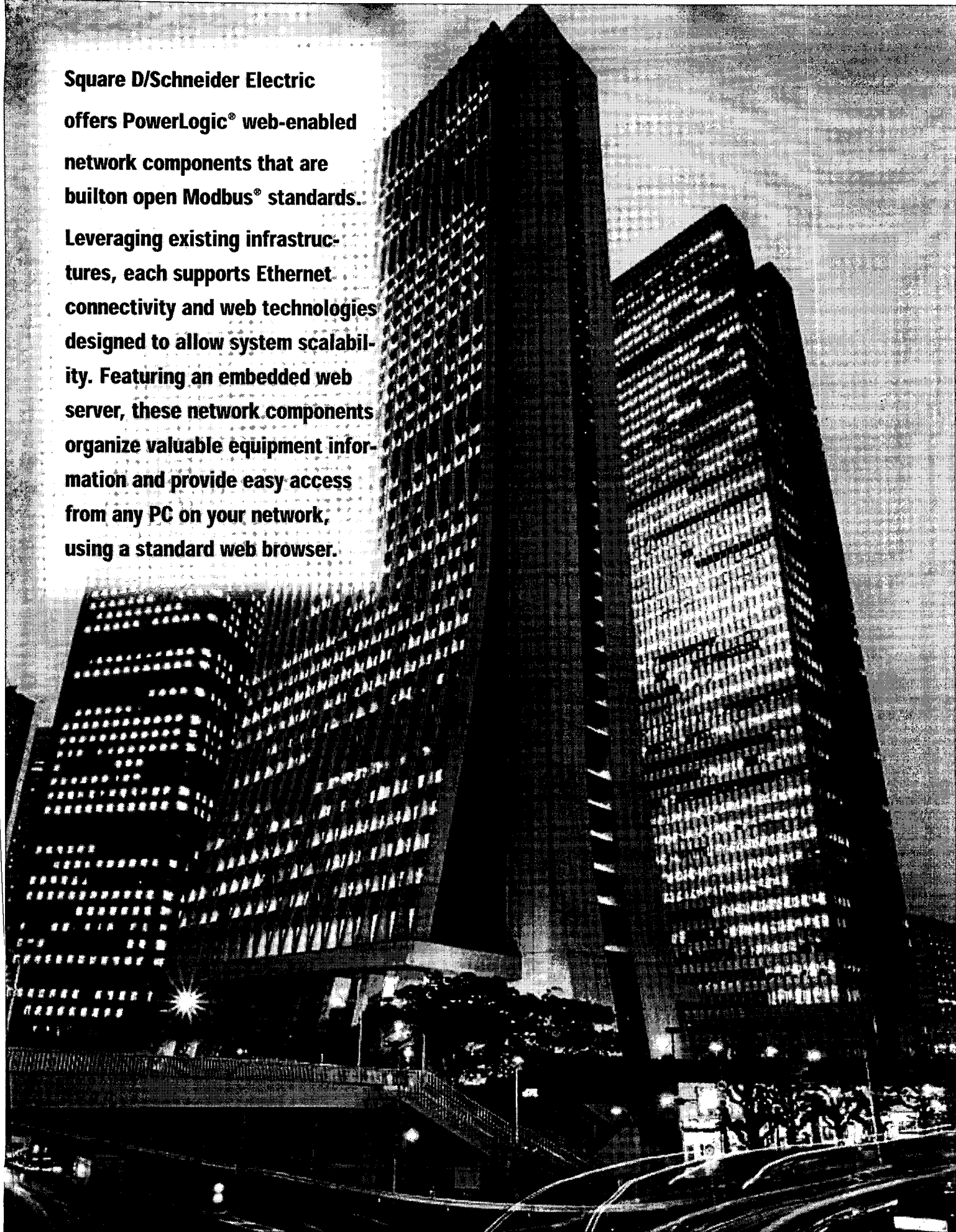


SQUARE D

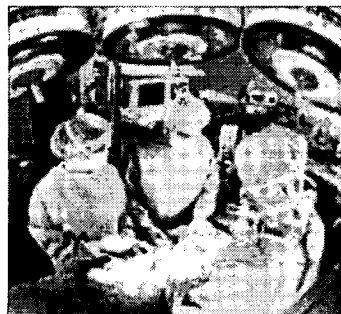
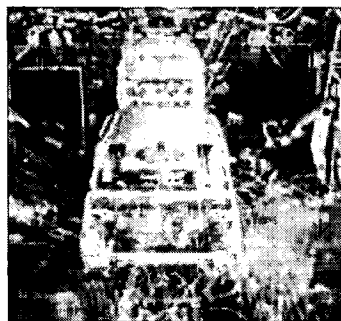
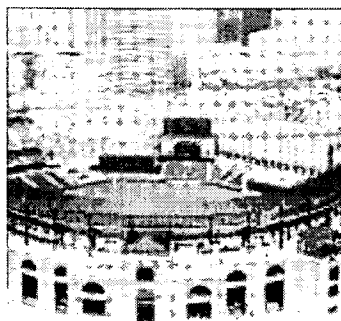
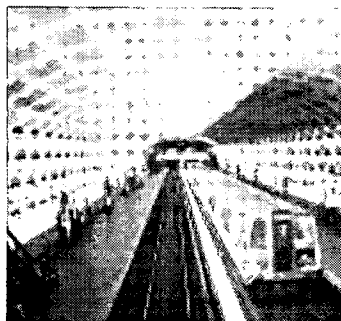
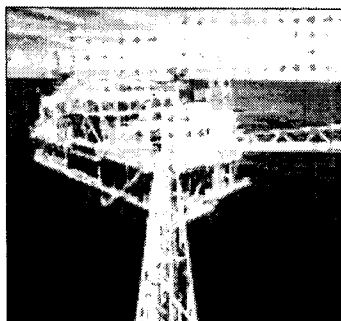
Exhibit F

Square D/Schneider Electric
offers PowerLogic® web-enabled
network components that are
built on open Modbus® standards.

Leveraging existing infrastruc-
tures, each supports Ethernet
connectivity and web technologies
designed to allow system scalabil-
ity. Featuring an embedded web
server, these network components
organize valuable equipment infor-
mation and provide easy access
from any PC on your network,
using a standard web browser.



PowerLogic® NETWORK SOLUTIONS



- *Easy Installation into New Equipment or Retrofit*
- *Scalable Connectivity Supporting Modbus® Devices*
- *Web-Enabled Information to Authorized Users*
- *Monitoring Power Equipment and Piped Utilities*
- *Remote Alarm Notification of System Events*
- *Definitive Conclusions*
- *Savings with Quick Return on Investment*

Integrated Approach for Total Solution

PowerLogic® web-enabled network components support a myriad of intelligent communicating devices and provide connectivity to system software. This support includes the complete range of Square D/Schneider Electric Transparent Ready power equipment, PowerLogic® monitoring devices as well as compatible Modbus® communicating devices. That means, in addition to providing real time and historical information, the PowerLogic® network communications will support incorporation of control components into the PowerLogic® system. These are typically integrated to monitor piped utilities such as water, air, gas and steam, as well as, provide status and control for peak shaving, load shedding, automatic transfer schemes and other energy reduction and reliability solutions.

Web Technologies Facilitate Knowledge That Result in Savings

Designed to be an "Out-of-the-box" application, PowerLogic® network components give unprecedented web-enabled access. With this level of access, from any computer on your network, you and other authorized users will never be out of touch with your equipment and piped utilities. The system information is presented in a manner that allows you to draw definitive conclusions so you will have the tools to help you facilitate information sharing and reduce utility costs. Save time and money knowing where spare capacity exists and improve system reliability by proactively identifying potential problems before they cause downtime. In short, you will be empowered to achieve savings and make informed decisions.

Scalable System Approach Grows With Your Organization

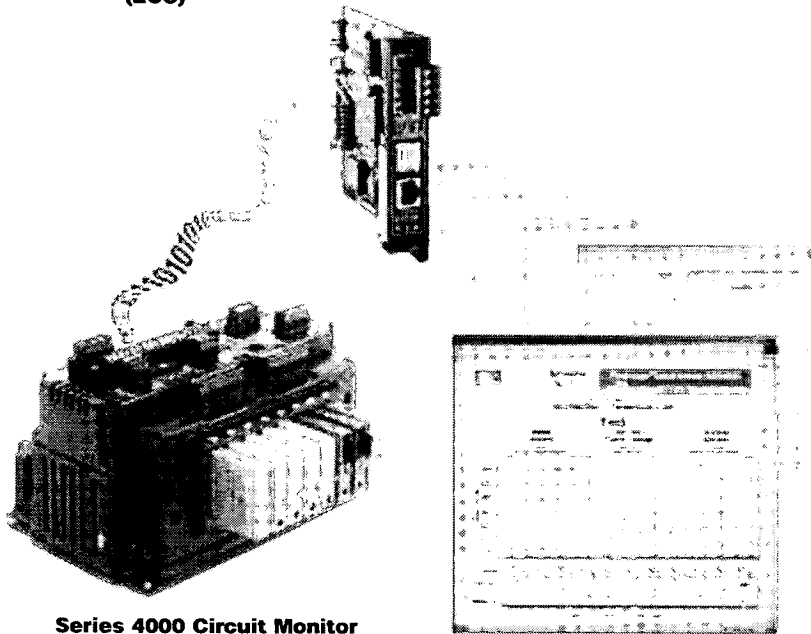
PowerLogic® web-enabled network components are flexible and let you take a building block approach. Start at any level, and when you're ready to grow, our system is designed to grow with you. Every level can stand alone, or be combined to provide a solution that is right for you. From simple metering to advanced corporate wide operations, PowerLogic® systems give you the information that you need, no matter where you are.

| LEVEL | DESCRIPTION |
|--------------|--|
| Basic | Real Time Monitoring For Power Equipment and Piped Utilities |
| Intermediate | Power Monitoring for Unattended Operations |
| Advanced | Electrical System Management and Analysis for Plant/ Corporate Wide Operations |

Square D also offers pre-defined Transparent Ready power equipment levels (TRE), based on the same PowerLogic® component platforms contained in this brochure. For more information about Square D Transparent Ready Equipment (TRE) see Document Number 1700BR0201.

BASIC

Ethernet Communication Card (ECC)



Series 4000 Circuit Monitor

Real Time Monitoring For Power Equipment and Piped Utilities

The PowerLogic® Basic Level is for businesses that require real-time metering, alarm notification, status, power quality, energy and demand information (including forecasting), on a circuit-by-circuit basis, to the people who need it most. The heart of the Basic Level is served by the PowerLogic® Web-Enabled Ethernet Gateways known as the Ethernet Communication Card (ECC) or the PowerLogic® Ethernet Gateway (EGX).

Ethernet Communication Card (ECC) provides connectivity

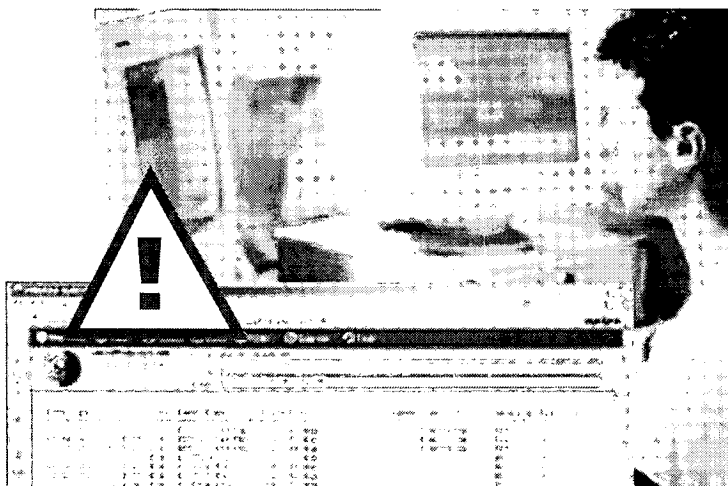
The Ethernet Communication Card expands the capability of the Series 3000 and 4000 Circuit Monitor as a total network solution for your power monitoring needs. Based on plug and play technology, the ECC, with Modbus®/TCP protocol support, plugs into an expansion slot on the circuit monitor providing direct connection to the Ethernet network using either Cat5 Ethernet shielded or unshielded twisted pair or fiber cabling. An RS-485 Modbus® master port on the ECC supports a daisy chain of up to 31 additional devices without a repeater, allowing the CM4000 or CM3000 with ECC to act as an Ethernet gateway for downstream devices.

Real time web viewing

In addition to providing direct, high speed Ethernet connectivity, the ECC includes embedded HTML pages. This web access allows real-time power system information from the circuit monitors through a standard web browser. The Web Page Generator (WPG) software shipped with the ECC, allows you to transfer standard pages, including summary views, for devices daisy-chained to the ECC's onboard RS-485 port. Custom pages are also supported for a total of 10 web pages that can be viewed over the network. You can even view this information from home or a remote location through your company's virtual private network connection.

Email on alarm

Series 3000 or 4000 Circuit Monitors equipped with an Ethernet Communication Card (ECC) can send emails on alarm occurrence for up to 15 different users, each with their own daily/weekly schedule. When conditions are outside normal parameters, a circuit monitor sends an email on alarm notification containing pass/fail power quality, disturbance direction, and other circuit information in the language selected to be used for the circuit monitor's remote display. It bundles up to 34 events in a single email. Emails are then received at a PC, PDA, mobile phone, etc., just like any other email. Using email is an effective means for notification of geographically dispersed personnel. Email also avoids firewall restrictions imposed by other data transfer methods.



| Date/Time Priority | Event Name | Value | Condition | Phase Direction | Data Log |
|-----------------------|-----------------|-------|-----------|-----------------|----------|
| 6/20/2004 16:16:59 | EN50160 Swl Van | 132 | Pickup | Downstream | Yes 3 |
| 6/20/2004 16:16:59 | EN50160 Swl Vbn | 132 | Pickup | Downstream | Yes 3 |
| 6/20/2004 16:16:59 | EN50160 Swl Vcn | 132 | Pickup | Downstream | Yes 3 |
| 6/20/2004 16:16:59 | PQ THD Vc L1 | 40 | Pickup | | No 3 |
| 6/20/2004 16:16:59 | PQ Over V L1 | 126 | Pickup | | No 3 |
| 6/20/2004 16:16:59 | PQ Over V L2 | 132 | Pickup | | No 3 |
| 6/20/2004 16:16:59 | PQ Harm Vc L1 | 266 | Pickup | | No 3 |
| 6/20/2004 16:16:59 | PQ Harm Vb L1 | 264 | Pickup | | No 3 |
| 6/20/2004 16:16:59 | PQ Harm Va L1 | 265 | Pickup | | No 3 |

Ethernet Gateway (EGX) simplifies retrofit

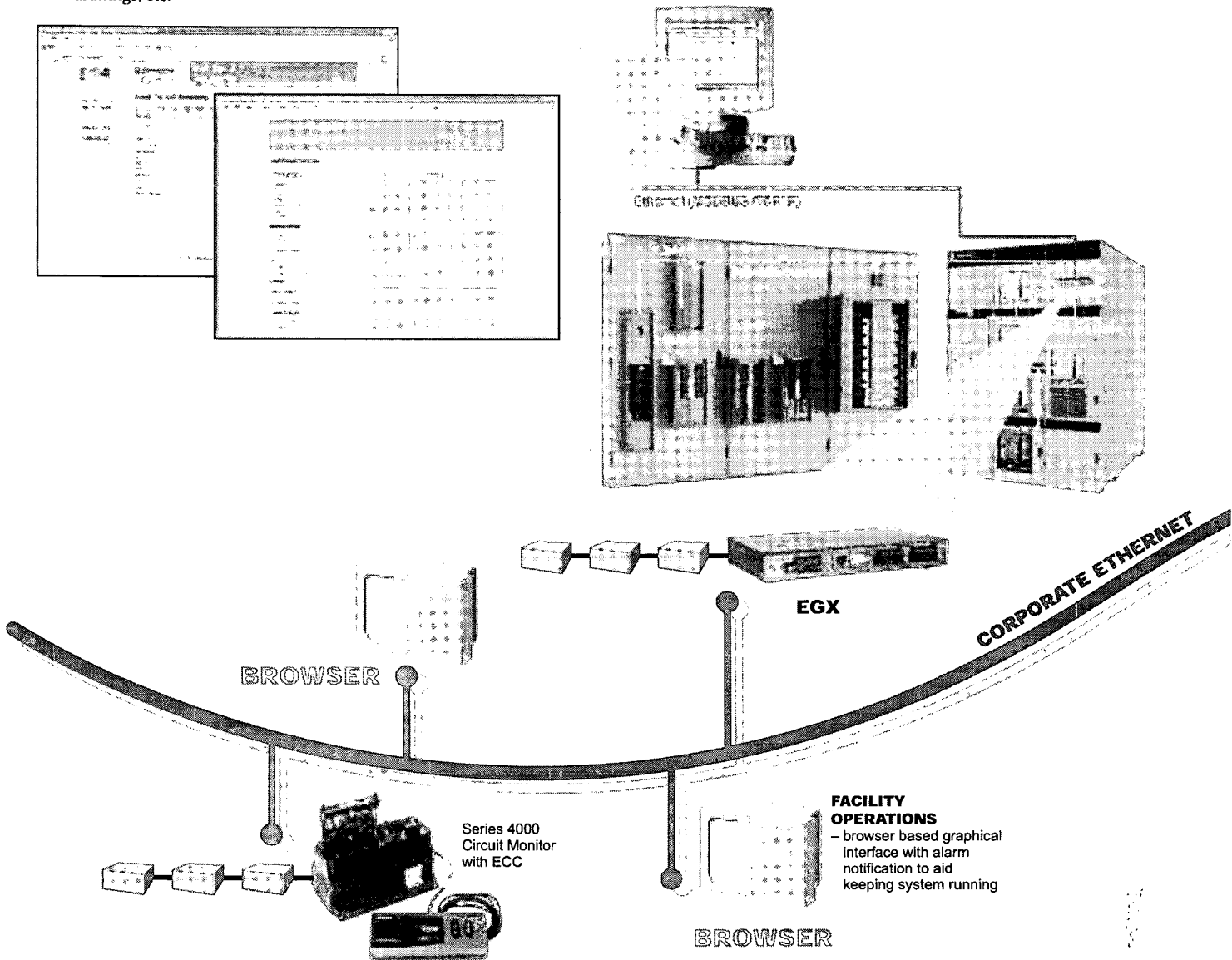
The PowerLogic® Ethernet Gateway (EGX) is an ideal solution for getting power system and other equipment status information onto the Ethernet network and into your web browser. It is small in size, making installation into equipment fast and easy.

Web Page Displays and Storage

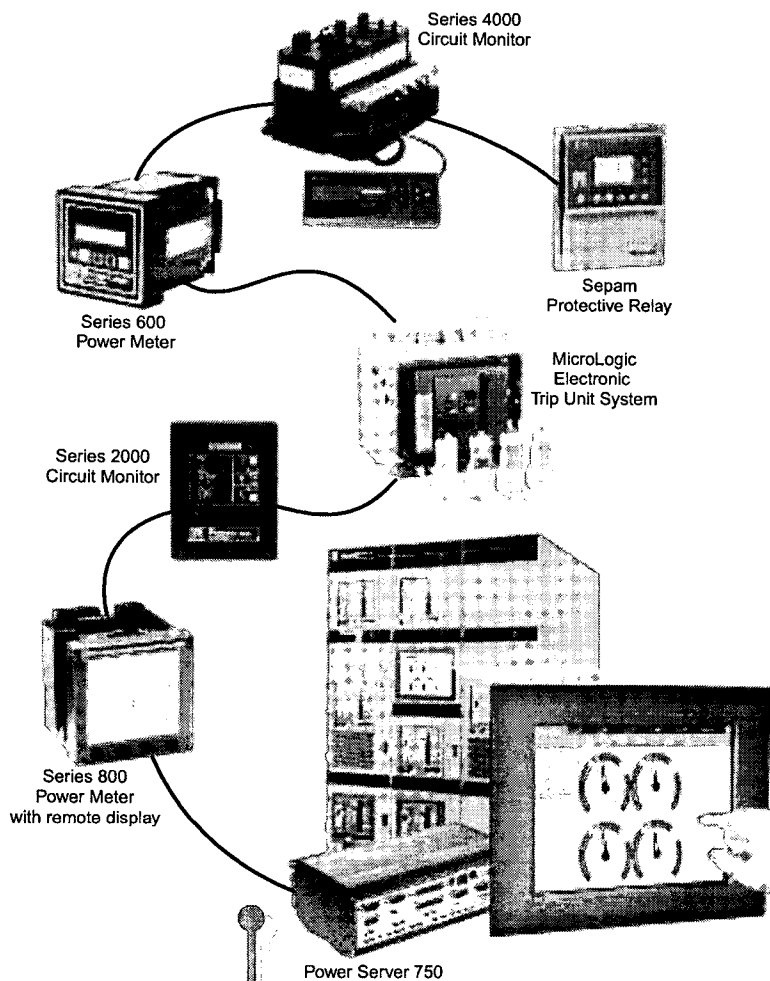
The integral web server inside the EGX400 alleviates the need for special end user software. Remote configuration and data can be viewed using a standard Internet browser. This includes access to usage consumption from piped utilities, and power equipment data from circuit monitors, circuit breaker trip units, programmable controllers, drives and protective relays. There are also standard pages for device resets, diagnostics and web server setup. In addition, there is 16 Mb of internal memory providing storage for standard and user-defined web pages for real time status, instruction manuals, equipment drawings, etc.

Collects and Trends

With reliable high-speed communications, the EGX provides fast system response, direct access to system data, and 38 days of 15-minute interval historical data logging with zoom. Up to 6 parameters can be logged for each connected device. This is particularly useful for capturing interval data for devices not capable of onboard logging. The EGX400 interval logs are also fully compatible with web query in Microsoft® Excel. Once the data is in the spreadsheet, you can analyze it by using the tools and features in Excel. Your imagination is the limit – allocate costs per shift or per manufacturing line, calculate demand, aggregate multiple circuits or facilities for total consumption, monitor energy consumption during peak periods, verify equipment is being shutdown properly during non-production hours, etc.



INTERMEDIATE



Power Monitoring for Equipment Level and Unattended Operations

The PowerLogic Intermediate Level System is designed for those businesses requiring a simple entry point for monitoring unattended operations. It is ideally suited for remote location power equipment and piped utility points where it can provide browser based information on site through a touch screen to make maintenance functions at that location faster and easier. Additionally, it can provide the same browser based information over the network so it can be accessed from anywhere. The main element of the Intermediate Level is the PowerLogic Power Server.

Consolidates Information

Fully compatible with the Basic Level gateways, the Power Server communicates, collects and consolidates utility data (including water, air, gas, electric and steam). It is also possible for Power Servers to transfer information to a central Advanced Level PowerLogic® System Manager server.

Comprehensive Monitoring

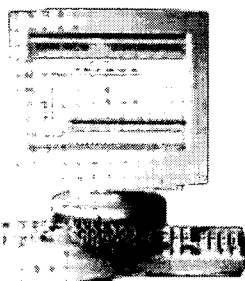
A sampling of Power Server features include data logging, historical reports, graphical displays and real time trends for 64 devices connected via serial or Ethernet port. The Power Server also supports report by exception of alarms/events (email), automatic upload of onboard logging and waveform files, display of events with correlating waveform, and waveform analysis tools for displaying waveform, RMS plot and harmonic content.

BROWSER ENGINEERING

- browser based detailed electrical and mechanical info for design decisions and capacity planning studies
- waveform and power quality analysis

SMS SERVER

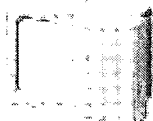
- automatic data upload
- piped utilities
- WAGES cost info
- usage trends
- browser based reports
- power quality analysis
- real time/graphical data
- alarming



MANAGEMENT

- browser based secure access to high level reports
- cost allocation, capital equipment and building improvement

BROWSER



PAGER

get emails for early alarm notification with each user having time of day scheduling options



INTERNET

CORPORATE ETHERNET

BROWSER via VPN

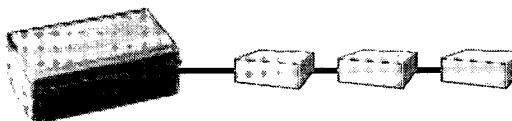
- security through virtual private network only to authorized users
- connect to PowerLogic web-enabled network components or SMS to get info

BROWSER



REMOTE SITE

Power Server pushes data to central SMS Server



System Management and Analysis for Plant and Enterprise Wide Operations

The PowerLogic® Advanced Level is designed for businesses that require more in-depth monitoring and analysis. This level is well suited for a single plant, campus operation and aggregating information from multiple sites. The Advanced Level is powered by a PowerLogic® System Manager Software (SMS) installed on one network PC.

Fully Instrumented System Networked to PowerLogic® System Manager

The diagram illustrates an example PowerLogic® System architecture on an Ethernet network topology. The intranet clients are ordinary PCs with Microsoft® Internet Explorer web browser. Together the PowerLogic® network communication components and SMS support PowerLogic® and Modbus® compatible devices that foster a completely integrated system approach for monitoring, controlling and managing your power equipment and piped utility assets.

Robust Capabilities for Large Systems

The SMS web-enabled product family capabilities include:

- Complete view of entire power system, with virtually unlimited number of devices
- Powerful department billing, cost allocation and power quality reporting capabilities
- Dynamic one-line diagrams and customized facility drawings
- Disturbance monitoring, alarm/event recording
- Ability - to analyze power quality by viewing waveforms, harmonics, and RMS plots
- Access to real-time data tables and trends
- Sequence of events information to pinpoint the root cause of power problems
- Email and paging capability to notify you of an impending problem

Corporate Distributed Monitoring

It is also possible for remote locations that use Power Servers to "PUSH" data to the System Manager computer with Enterprise Extensions. Each Power Server collects data at remote locations then periodically pushes data files to SMS server. Rather than polling across a large enterprise, SMS receives and processes the files. This "PUSH" method effectively utilizes the parallel processing power of the entire system.

SYSTEM COMPONENTS GIVE DEFINITIVE CONCLUSIONS

Instant access to utility, status, power and control information provides definitive conclusions

- Embedded web server technology provides information viewing with Internet Explorer browser
- Browser-based user interface to access all power and control information, reduces training virtually to zero
- Provides standard summary pages for downstream connected devices
- Drop-In sample web pages provide system performance summaries that are based on historical trend analysis – Power Quality Index, Alarm Summary, EN50160 Pass/Fail, and more
- Supports user-defined pages

Industry Standard Open Modbus® Protocol

- Leverage existing network infrastructure and expertise
- Supports Modbus® RTU, Modbus® ASCII, JBUS, SY/MAX protocol for 2 wire and 4 wire daisy chains, mixed mode daisy chains containing any combination of devices using above protocols
- Modbus® TCP/IP Ethernet enables integrated approach for total solution scalability
- Features embedded web server
- Supports wide use of Intranet and Internet technology
- Compatible with building and energy management systems

Industrial rated

- Compliant with Industry Standards (UL, CSA, FCC, CE)
- High performance and reliable communication
- Designed to withstand the rigors of electrical and industrial environments

Out-of-the-box application:

- Energy trends to Web query & Cost Allocation Reports aid utility cost reduction
- Access to system diagrams, instruction manuals, alarm diagnostics for better equipment management
- Power Quality information based on EN50160 & IEEE 1159 standards give pertinent information for improving system reliability
- Email alarms for early notification aid downtime reaction
Includes time of day support for up to 15 different users

Easy system expansion

- Does not require high-level knowledge of Ethernet and communication
- On-the-fly device additions for system connectivity
- Downloadable firmware for easy future upgrades via the network from anywhere in the world

Remote Accessibility

- In the same manner that you can get your company email when at home or at another remote location, you can also connect to any PowerLogic® gateway, Power Server or System Manager web server to get system information over a secure VPN (virtual private network) or telephone line
- Security with data available only to authorized users
- With web technologies, you're connected 24/7

For more information about Transparent Ready, call your local field office representative, or log on to www.us.SquareD.com/TRLIC to see a demo and download handouts, catalogs, and instruction materials.

Ready.

Transparent Ready



Ready

Web-enabled Power & Control

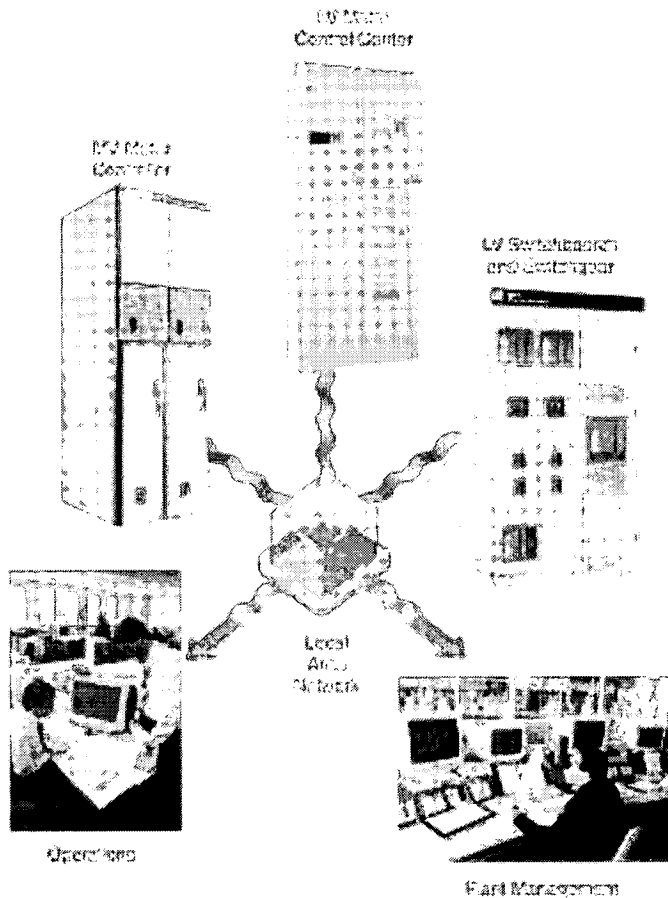
Features and Benefits

- **Flexible** - A wide range of SQUARE D power distribution equipment can be made TRANSPARENT READY.
- **Easy to Commission** - Simply obtain an IP address from your Network Administrator and follow three easy steps to unlock the power of your TRANSPARENT READY equipment (see 1700IB0201 and 1700IB0202).
- **No Integration Costs** - An Internet browser is all that you will need to access TRANSPARENT READY equipment information via your LAN. For Level One integration, there is no need to purchase additional software, or equipment.
- **Unprecedented Access** - You can access power equipment system information from any authorized computer on your Intranet. This level of access means that you will never be out of touch with your equipment.
- **Reduced Operation Costs** - TRANSPARENT READY equipment will help you to facilitate information sharing and to optimize your processes. You will save time and money by knowing where spare capacity exists, and reduce downtime by identifying potential problems before they cause an outage.

TRANSPARENT READY™ Power Distribution Equipment, Level One

Web-Enabled Power and Control

TRANSPARENT READY™ power distribution equipment provides a secure window to your operations. By using your existing IS infrastructure, it allows you to monitor power usage, power quality, and equipment status. All from the comfort of your own desk chair.



TRANSPARENT READY power distribution equipment is available in four levels; this allows you to have only the functionality you need. From essential real-time system data to comprehensive monitoring and analysis, Square D/Schneider Electric ensures you get exactly the power distribution equipment monitoring capabilities you need.

This handout provides you with an overview of TRANSPARENT READY Level One power distribution equipment. If you have further questions, ask your field office representative, or call 1-888-SQUARED.



SQUARE D
Schneider Electric

Exhibit G

The Power of Secure Access at Your Fingertips

Features and Benefits

■ **Easy to Use** - Obtaining real-time power equipment metering and system information is as easy as logging onto your personal web page. Also, a single Ethernet interface can serve web pages for your entire equipment line-up (up to 64 devices).

■ **Time-Saving** - Never wait for system status reports again. You can check reports at a glance, because TRANSPARENT READY web pages provide information in real-time, 24 hours a day, seven days a week.

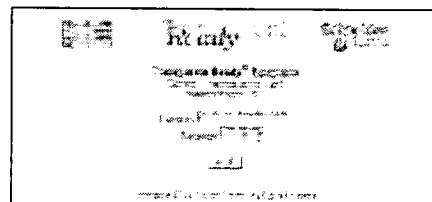
■ **Open and Secure** - A secure login deters unauthorized access, but allows information sharing between authorized users.

■ **Upgradable** - TRANSPARENT READY Level One equipment is based on open standards and web technology. This means that your new equipment can form the backbone of an extensive power distribution monitoring network, and it can grow as your organization grows.

TRANSPARENT READY™ Level One equipment comes standard with a web server to store web pages dedicated to power equipment data. Just type the equipment's IP address into your browser and you're ready to go!

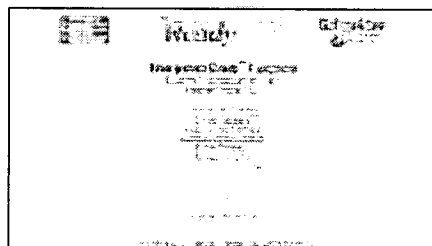
Login Page

Deters unauthorized access to secure data.



Home Page

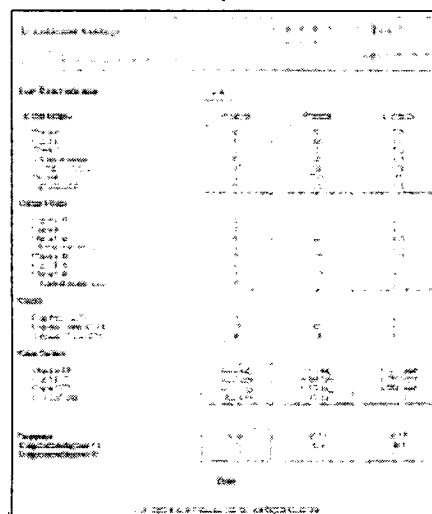
Allows you to easily access metering, summary, and setup pages.

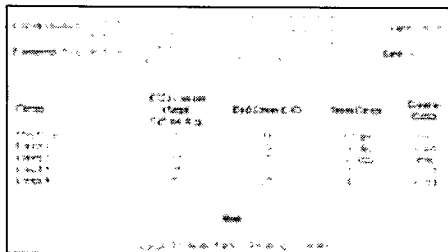


Main Metering Page

(Equipment with CM3000 or CM4000 and ECC only)
Provides automatically updated meter values.

- No need to walk your entire facility to view real-time meter readings.
- A running minimum/maximum history helps you spot abnormal conditions.



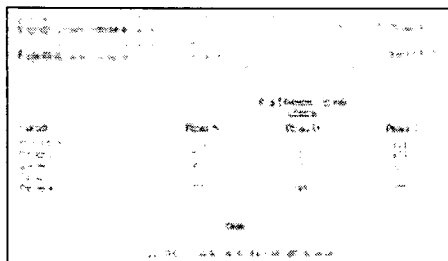


| Circuit | RMS Current (A) | Real Power (kW) | Power Factor | Breaker Status |
|---------|-----------------|-----------------|--------------|----------------|
| 1 | 10.0 | 1.0 | 0.95 | Open |
| 2 | 15.0 | 1.5 | 0.95 | Open |
| 3 | 20.0 | 2.0 | 0.95 | Open |
| 4 | 25.0 | 2.5 | 0.95 | Open |

Circuit Summary

Displays the RMS current three-phase average, the real power (kW), the power factor, and the circuit breaker status (if applicable). The unit substation version also displays the transformer coil temperatures and the fan status. In addition to the RMS current three-phase average and the device status, the MCC version displays the drive output frequency (Hz), and the thermal capacity (%).

- Quickly check the status of all circuits.
- Obtain full loading information.

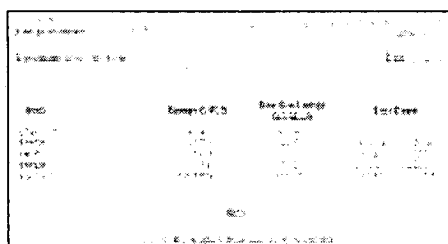


| Circuit | Phase A (A) | Phase B (A) | Phase C (A) |
|---------|-------------|-------------|-------------|
| 1 | 10.0 | 10.0 | 10.0 |
| 2 | 15.0 | 15.0 | 15.0 |
| 3 | 20.0 | 20.0 | 20.0 |
| 4 | 25.0 | 25.0 | 25.0 |

Demand Current Summary

Displays the average demand current values for each phase (A, B, and C) for all circuits.

- Loading information is based on average demand.
- Know where spare capacity exists.
- Identify potential overloads before they occur.

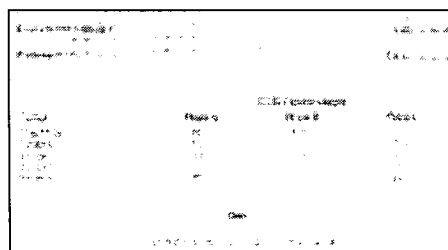


| Circuit | Energy (kWh) | Reactive Energy (kVARh) | Last Reset |
|---------|--------------|-------------------------|------------|
| 1 | 1.0 | 0.5 | 12/1/98 |
| 2 | 1.5 | 0.75 | 12/1/98 |
| 3 | 2.0 | 1.0 | 12/1/98 |
| 4 | 2.5 | 1.25 | 12/1/98 |

Energy Summary

Displays the energy (kWh), the reactive energy (kVARh), and the time and date of the last reset for all circuits.

- Allows you to determine energy costs based on actual usage.
- Encourages departmental energy savings.

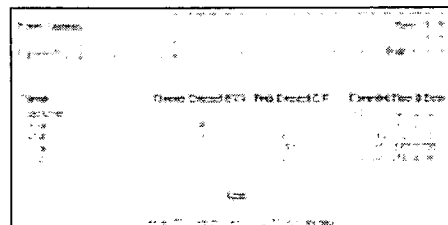


| Circuit | Phase A (A) | Phase B (A) | Phase C (A) |
|---------|-------------|-------------|-------------|
| 1 | 10.0 | 10.0 | 10.0 |
| 2 | 15.0 | 15.0 | 15.0 |
| 3 | 20.0 | 20.0 | 20.0 |
| 4 | 25.0 | 25.0 | 25.0 |

Load Current Summary

Displays the current RMS values for each phase (A, B, and C) for all circuits.

- Helps you to verify loading.
- Aids in maintaining balance between the phases.

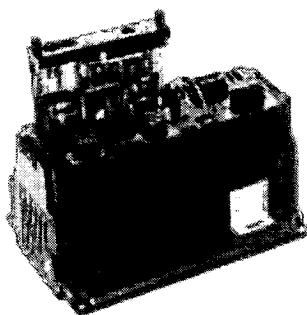


| Circuit | Present Demand (kW) | Peak Demand (kW) | Time & Date |
|---------|---------------------|------------------|---------------|
| 1 | 1.0 | 1.0 | 12/1/98 10:00 |
| 2 | 1.5 | 1.5 | 12/1/98 10:00 |
| 3 | 2.0 | 2.0 | 12/1/98 10:00 |
| 4 | 2.5 | 2.5 | 12/1/98 10:00 |

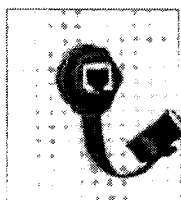
Power Summary

Displays the present demand (kW), the peak demand (kW), and the time and date the values were recorded.

- Helps you to manage energy expenses, because you know where and when peaks occur.



CM4000 with Ethernet Communications Card



Front-Accessible Connection for Ethernet



EGX Ethernet Gateway with DIN Rail Mount

The Devices that Make It Possible

Networking Devices

TRANSPARENT READY™ Level One equipment is available in two different communication configurations. Both provide access to your power equipment information via a POWERLOGIC Ethernet interface.

- Ethernet Communications Card (ECC) - Web-enables your POWERLOGIC circuit monitor and provides web-based access to downstream-connected devices. Equipment with an ECC includes a bonus web page with real-time metering data for the host circuit monitor (see Main Metering page).
- Ethernet Gateway (EGX) - Features an embedded web server and provides web-based access to downstream-connected devices. Equipment using an EGX includes a front-accessible connection for Ethernet to help make commissioning a snap!

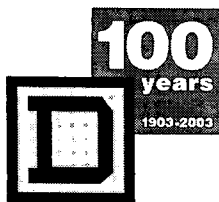
Metering and Monitoring Devices

At the heart of the TRANSPARENT READY Level One system is an assortment of Square D/Schneider Electric products. You can tailor a system to precisely meet your needs by purchasing the devices that provide the system data you desire. The table below details the functionality supported by TRANSPARENT READY Level One web pages and the corresponding devices.

Whether a unit substation, an MCC, or stand-alone switchgear; TRANSPARENT READY Level One equipment provides real-time information at anytime, from anywhere, to any authorized user ... easily!

| | MICROLOGIC® P Trip Unit | MICROLOGIC® A Trip Unit | SEPAM 1000+ Series 40 | SEPAM 1000+ Series 20 | MOTOR LOGIC™ Plus Overload | ALTIVAR® 58 and 66 Drive | ALTISTART® 46 and 48 Soft Starts | MOTORPACT™ Soft Start Relay | MODEL 98 Temp. Controller | CM3000/CM4000 Circuit Monitor | PM600 Power Meter |
|--|-------------------------|-------------------------|-----------------------|-----------------------|----------------------------|--------------------------|----------------------------------|-----------------------------|---------------------------|-------------------------------|-------------------|
| RMS Current 3-Phase Average (Amps) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | ■ | ■ |
| Real Power (kW) | ■ | | ■ | | | | | | | ■ | ■ |
| Power Factor | ■ | | ■ | | | | | | | ■ | ■ |
| Circuit Breaker Status (Open/Closed) | ■ | ■ | ■ | ■ | | | | | | | |
| Motor Control Device Status | ■ | ■ | | | ■ | ■ | ■ | ■ | ■ | | |
| Fan Status (ON/OFF) | | | | | | | | | ■ | | |
| Transformer Coil Temperature (°C) | | | | | | | | | ■ | | |
| Drive Output Frequency (Hz) | | | | | | ■ | | ■ | | | |
| Thermal Capacity (%) | | | | | ■ | ■ | ■ | ■ | | | |
| RMS Current, Phases A, B, & C (Amps) | ■ | ■ | ■ | ■ | | | | | | ■ | ■ |
| Average Demand Current, Phases A, B, & C (Amps) | ■ | | ■ | ■ | | | | | | ■ | ■ |
| Present Demand (kW) | ■ | | ■ | | | | | | | ■ | ■ |
| Peak Demand (kW) | ■ | | ■ | | | | | | | ■ | ■ |
| Date/Time Peak Demand Recorded | ■ | | ■ | | | | | | | ■ | ■ |
| Energy (kWh) | ■ | | ■ | | | | | | | ■ | ■ |
| Reactive Energy (kVARh) | ■ | | ■ | | | | | | | ■ | ■ |
| Date/Time Energy & Reactive Energy Values Last Reset | ■ | | ■ | | | | | | | ■ | ■ |





Transparent Ready™ Power Distribution Equipment

Power system information
any time...anywhere

Transparent Ready™

Web-enabled Power and Control

SQUARE D® power distribution products are now available web-enabled, making power monitoring simple and affordable.

Using standard POWERLOGIC® web technologies, TRANSPARENT READY equipment provides quick access to power system data any time...from anywhere in the world.

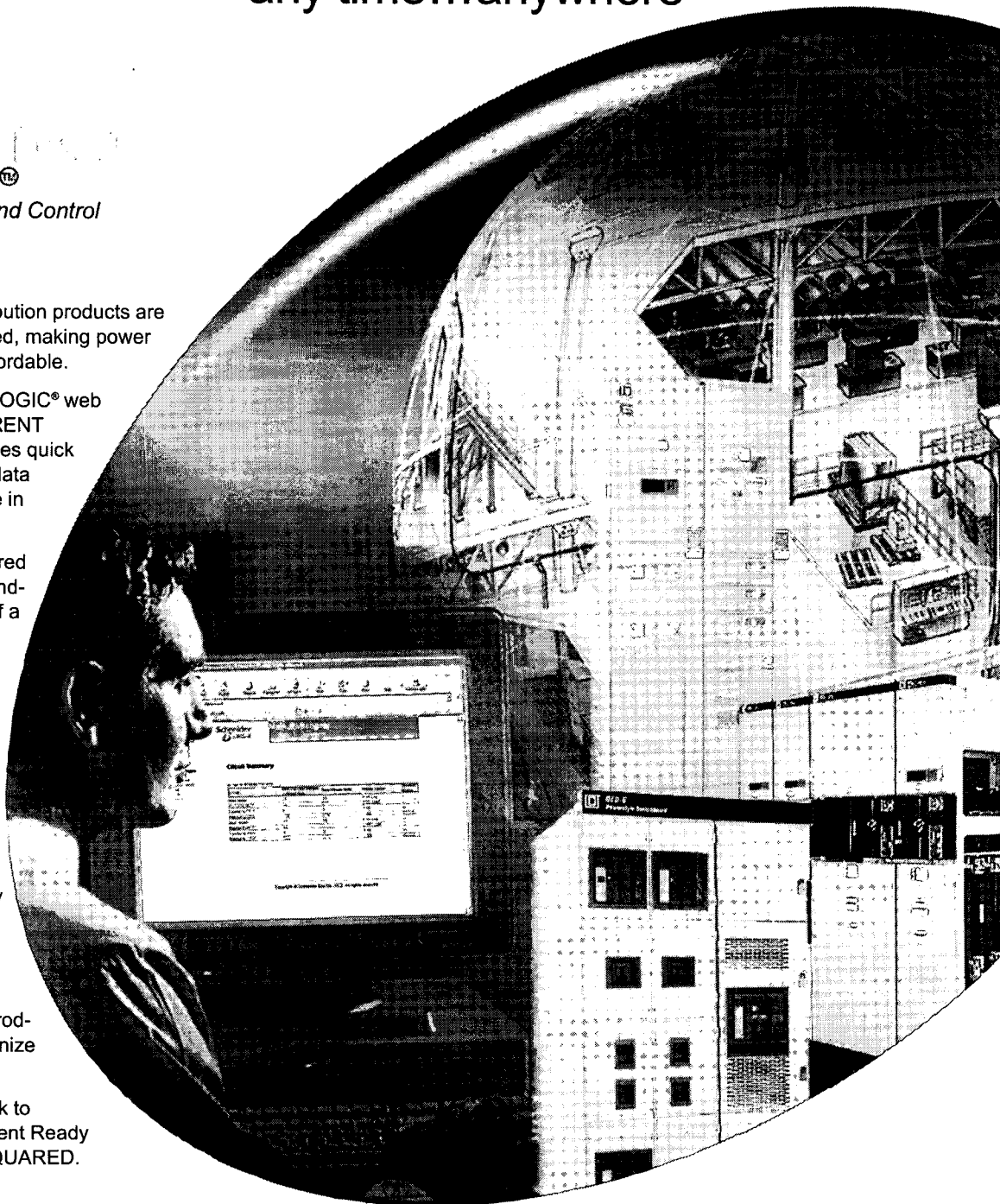
This simpler, pre-engineered offer can be sold on a stand-alone basis, OR as part of a complete POWERLOGIC system, offering:

- Reduced costs
- Easy commissioning
- Easy set-up and use
- Unprecedented access
- Flexibility

As we celebrate a century of the SQUARE D brand as the electrical industry leader, our goal remains to provide technologically advanced, safe, quality products our customers recognize and trust!

To order a brochure or talk to someone about Transparent Ready Equipment, call 1-888-SQUARED.

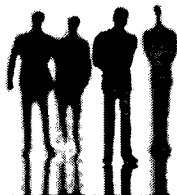
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Schneider Electric
Building a New Electric World



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Company

it's not all about technology
it's about who's behind it

HIGHLIGHTS

LogicBase

Process management and decision technologies to enable business users to take control of critical business logic.

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LogicBase

maestro

business rules

harmony

workflow engine

mediation

middleware and
enterprise integration

DIVO

voice enabled applications

composer

web services and
application integration

A Note From Our President

Hi,

I'm Carl Hewitt, Transparent Logic founder and CEO. I have been leading software development companies and helping businesses leverage technology to solve business problems for almost 20 years.

Like you, I've been frustrated by:

- Technology solutions that don't deliver on their promises
- Software applications that require a PhD to use
- Cost-prohibitive technology that only a select few could afford
- Searching for software solutions that were actually easy to integrate and truly "user-friendly"

That's why I've made it my personal mission to provide powerful, affordable and easy to use products that help businesses and software companies effectively manage business processes and logic.

Our number one goal is simply to enable you focus on what's most important to you - solving your business problems, not just providing cool technology. Realizing that our success is not in producing great products but in making sure your businesses and software applications are taken to the next level, we are fully committed to partner with our clients - focusing on business problems and values, and celebrate their successes as our own.

Our solutions may be state-of-the-art but they won't break the bank. I invite you to get a hands-on demo of our technology absolutely free and see for yourself how easy it is to get back control of your business logic and processes with this revolutionary software. I think you'll be pleasantly surprised!

Thank you for interest and all the best!

Carl D. Hewitt
CEO, Founder, Transparent Logic

Next Steps

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Commonwealth
of VirginiaState
Corporation
Commission

Enter

Signoff

Help

Print

WEB#575

TCP00004 CISM3155

CIS

OLD NAME INQUIRY

12/01/06

15:31:21

CORP ID: 0605687 - 3

CORP STATUS: 00 ACTIVE

CORP NAME: Transparent Logic Technologies, Inc.

OLD NAME:
X365 TECHNOLOGIES, INC.DATE OF NAME CHANGE:
08/23/05

COMMAND:

NOTE: Function Key usage varies depending on the Application Screen.
For specifics, refer to Function Key Documentation.

Exhibit J